

## **Product Datasheet**

## VEGF Receptor 3/FLT4 Antibody (orb402453)

Catalog Number orb402453

**Category** Antibodies

**Description** Anti-VEGF Receptor 3/FLT4 Antibody. Tested in ELISA, Flow Cytometry, IF, IHC,

IHC-F, ICC, WB applications. This antibody reacts with Human, Mouse, Rat.

**Clonality** Polyclonal

Species/Host Rabbit

**Isotype** Rabbit IgG

**Conjugation** Unconjugated

**Reactivity** Human, Mouse, Rat

Form/Appearance Lyophilized

**Concentration** Adding 0.2 ml of distilled water will yield a concentration of 500 µg/ml.

**Purification** Immunogen affinity purified.

**Immunogen** E. coli-derived human VEGF Receptor 3 recombinant protein (Position: Y25-

N259).

UniProt ID P35916

**MW** 153 kDa

**Tested applications** ELISA, FC, ICC, IF, IHC, IHC-Fr, WB

**Application notes** Western blot, 0.1-0.5μg/ml Immunohistochemistry (Paraffin-embedded Section),

0.5-1µg/ml Immunohistochemistry (Frozen Section), 0.5-1µg/ml

Immunocytochemistry/Immunofluorescence, 2µg/ml Flow Cytometry (Fixed), 1-3µg/1x106 cells ELISA, 0.1-0.5µg/ml. Add 0.2ml of distilled water will yield a

concentration of 500ug/ml

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**Cross Reactivity** No cross-reactivity with other proteins.

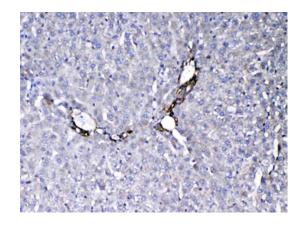
**Antibody Type** Primary Antibody

**Storage** Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -

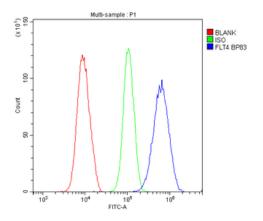
20°C in small aliquots to prevent freeze-thaw cycles.

**Note** For research use only

**Expiration Date** 12 months from date of receipt.



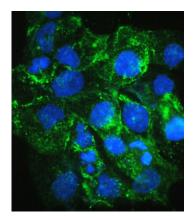
IHC analysis of VEGF Receptor 3 using anti-VEGF Receptor 3 antibody. VEGF Receptor 3 was detected in paraffin-embedded section of rat liver tissue. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1  $\mu$ g/ml rabbit anti-VEGF Receptor 3 Antibody overnight at 4°C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using Strepavidin-Biotin-Complex (SABC) with DAB as the chromogen.



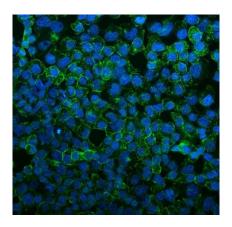
Flow Cytometry analysis of U20S cells using anti-VEGF Receptor 3 antibody. Overlay histogram showing U20S cells (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-VEGF Receptor 3 Antibody (1  $\mu$ g/1x10^6 cells) for 30 min at 20°C. DyLight®488 conjugated goat anti-rabbit IgG (5-10  $\mu$ g/1x10^6 cells) was used as secondary antibody for 30 minutes at 20°C. Isotype control antibody (Green line) was rabbit IgG (1  $\mu$ g/1x10^6) used under the same conditions. Unlabelled sample (Red line) was also used as a control.



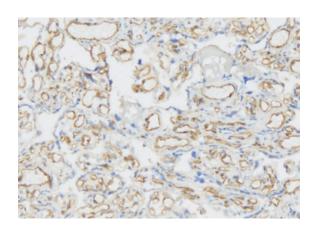




IF analysis of VEGF Receptor 3 using anti-VEGF Receptor 3 antibody. VEGF Receptor 3 was detected in immunocytochemical section of A431 cells. Enzyme antigen retrieval was performed using IHC enzyme antigen retrieval reagent for 15 mins. The cells were blocked with 10% goat serum. And then incubated with 2 μg/mL rabbit anti-VEGF Receptor 3 Antibody overnight at 4°C. DyLight®488 Conjugated Goat Anti-Rabbit IgG was used as secondary antibody at 1:100 dilution and incubated for 30 minutes at 37°C. The section was counterstained with DAPI. Visualize using a fluorescence microscope and filter sets appropriate for the label used.



IF analysis of VEGF Receptor 3 using anti-VEGF Receptor 3 antibody. VEGF Receptor 3 was detected in immunocytochemical section of A431 cells. Enzyme antigen retrieval was performed using IHC enzyme antigen retrieval reagent for 15 mins. The cells were blocked with 10% goat serum. And then incubated with 2  $\mu$ g/mL rabbit anti-VEGF Receptor 3 Antibody overnight at 4°C. DyLight® 488 Conjugated Goat Anti-Rabbit IgG was used as secondary antibody at 1:100 dilution and incubated for 30 minutes at 37°C. The section was counterstained with DAPI. Visualize using a fluorescence microscope and filter sets appropriate for the label used.

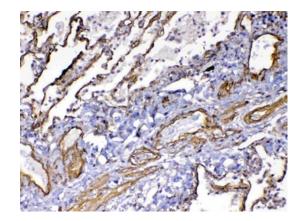


IHC analysis of VEGF Receptor 3 using anti-VEGF Receptor 3 antibody. VEGF Receptor 3 was detected in frozen section of human placenta tissue. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1  $\mu$ g/ml rabbit anti-VEGF Receptor 3 Antibody overnight at 4°C. Biotinylated goat anti-rabbit lgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using Strepavidin-Biotin-Complex (SABC) with DAB as the chromogen.

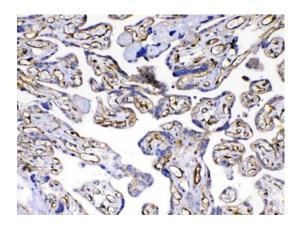
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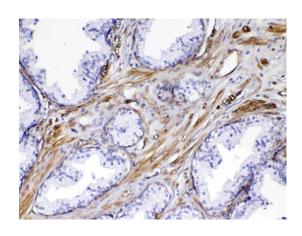




IHC analysis of VEGF Receptor 3 using anti-VEGF Receptor 3 antibody. VEGF Receptor 3 was detected in paraffin-embedded section of human lung cancer tissue. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1  $\mu$ g/ml rabbit anti-VEGF Receptor 3 Antibody overnight at 4°C. Biotinylated goat anti-rabbit lgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using Strepavidin-Biotin-Complex (SABC) with DAB as the chromogen.



IHC analysis of VEGF Receptor 3 using anti-VEGF Receptor 3 antibody. VEGF Receptor 3 was detected in paraffin-embedded section of human placenta tissue. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1  $\mu$ g/ml rabbit anti-VEGF Receptor 3 Antibody overnight at 4°C. Biotinylated goat anti-rabbit lgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using Strepavidin-Biotin-Complex (SABC) with DAB as the chromogen.

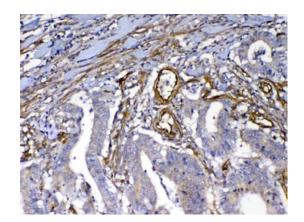


IHC analysis of VEGF Receptor 3 using anti-VEGF Receptor 3 antibody. VEGF Receptor 3 was detected in paraffin-embedded section of human prostatic cancer tissue. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1  $\mu$ g/ml rabbit anti-VEGF Receptor 3 Antibody overnight at 4°C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using Strepavidin-Biotin-Complex (SABC) with DAB as the chromogen.

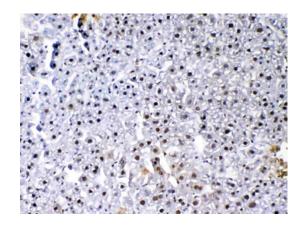
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IHC analysis of VEGF Receptor 3 using anti-VEGF Receptor 3 antibody. VEGF Receptor 3 was detected in paraffin-embedded section of human rectal cancer tissue. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1  $\mu$ g/ml rabbit anti-VEGF Receptor 3 Antibody overnight at 4°C. Biotinylated goat anti-rabbit lgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using Strepavidin-Biotin-Complex (SABC) with DAB as the chromogen.

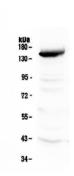


IHC analysis of VEGF Receptor 3 using anti-VEGF Receptor 3 antibody. VEGF Receptor 3 was detected in paraffin-embedded section of mouse liver tissue. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1  $\mu$ g/ml rabbit anti-VEGF Receptor 3 Antibody overnight at 4°C. Biotinylated goat anti-rabbit lgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using Strepavidin-Biotin-Complex (SABC) with DAB as the chromogen.

 $\begin{aligned} & \text{Email: } \underline{\text{info@biorbyt.com}}, \ \underline{\text{support@biorbyt.com}} \\ & \text{Phone: } \underline{+1 \ (415) \ 906-5211} \ \big| \ \text{Fax: } \underline{+1 \ (415) \ 651-8558} \end{aligned}$ 







Western blot analysis of VEGF Receptor 3 using anti-VEGF Receptor 3 antibody. Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 50 ug of sample under reducing conditions. Lane 1: rat liver tissue lysates. After Electrophoresis, proteins were transferred to a Nitrocellulose membrane at 150mA for 50-90 minutes. Blocked the membrane with 5% Non-fat Milk/ TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-VEGF Receptor 3 antigen affinity purified polyclonal antibody at 0.5 µg/mL overnight at 4°C, then washed with TBS-0.1% Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:10000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for VEGF Receptor 3 at approximately 153KD. The expected band size for VEGF Receptor 3 is at 153KD.

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