

Product Datasheet

Integrin linked ILK Antibody (orb763178)

Catalog Number orb763178

Category Antibodies

Description Anti-Integrin linked ILK Antibody. Tested in ELISA, Flow Cytometry, IF, IHC, 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 Integrin linked ILK recombinant protein (Position: M1-

K452).

UniProt ID Q13418

MW 51 kDa

Tested applications ELISA, FC, ICC, IF, IHC, WB

Application notes Western blot, 0.1-0.25 μg/ml, Human, Mouse, Rat

Immunohistochemistry(Paraffin-embedded Section), 2-5 µg/ml, Human, Mouse,

Rat Immunocytochemistry/Immunofluorescence, 5 µg/ml, Human Flow

Cytometry (Fixed), 1-3 μg/1x106 cells, Human, Mouse, Rat ELISA, 0.1-0.5 μg/ml, -

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





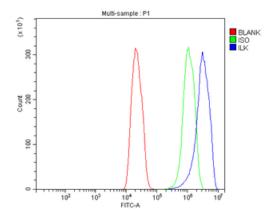
Cross Reactivity No cross-reactivity with other proteins.

Antibody Type Primary Antibody

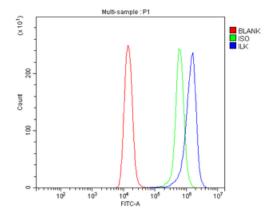
Storage Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -

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

Note For research use only



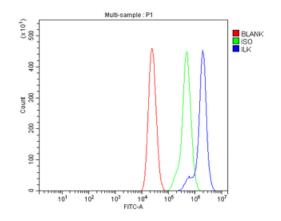
Flow Cytometry analysis of C6 cells using anti-Integrin Linked ILK antibody. Overlay histogram showing C6 cells (Blue line). The cells were fixed with 4% paraformaldehyde and blocked with 10% normal goat serum. And then incubated with rabbit anti-Integrin Linked ILK Antibody (1 μ g/1x10^6 cells) for 30 min at 20°C. DyLight®488 conjugated goat anti-rabbit IgG (5-10 μ g/1x10^6 cells) was used as secondary antibody for 30 minutes at 20°C. Isotype control antibody (Green line) was rabbit IgG (1 μ g/1x10^6) used under the same conditions. Unlabelled sample without incubation with primary antibody and secondary antibody (Red line) was used as a blank control.



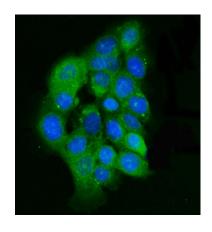
Flow Cytometry analysis of Raji cells using anti-Integrin Linked ILK antibody. Overlay histogram showing Raji cells (Blue line). The cells were fixed with 4% paraformaldehyde and blocked with 10% normal goat serum. And then incubated with rabbit anti-Integrin Linked ILK Antibody (1 μ g/1x10^6 cells) for 30 min at 20°C. DyLight®488 conjugated goat anti-rabbit IgG (5-10 μ g/1x10^6 cells) was used as secondary antibody for 30 minutes at 20°C. Isotype control antibody (Green line) was rabbit IgG (1 μ g/1x10^6) used under the same conditions. Unlabelled sample without incubation with primary antibody and secondary antibody (Red line) was used as a blank control.



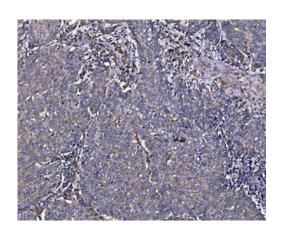




Flow Cytometry analysis of RAW264.7 cells using anti-Integrin Linked ILK antibody. Overlay histogram showing RAW264.7 cells (Blue line). The cells were fixed with 4% paraformaldehyde and blocked with 10% normal goat serum. And then incubated with rabbit anti-Integrin Linked ILK Antibody (1 μ g/1x10^6 cells) for 30 min at 20°C. DyLight®488 conjugated goat anti-rabbit IgG (5-10 μ g/1x10^6 cells) was used as secondary antibody for 30 minutes at 20°C. Isotype control antibody (Green line) was rabbit IgG (1 μ g/1x10^6) used under the same conditions. Unlabelled sample without incubation with primary antibody and secondary antibody (Red line) was used as a blank control.



IF analysis of Integrin Linked ILK using anti-Integrin Linked ILK antibody. Integrin Linked ILK was detected in an 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 5 μg/mL rabbit anti-Integrin Linked ILK 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.

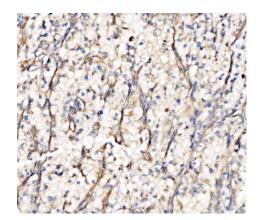


IHC analysis of Integrin Linked ILK using anti-Integrin Linked ILK antibody. Integrin Linked ILK was detected in a paraffinembedded section of human lung cancer tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2 μ g/ml rabbit anti-Integrin Linked ILK 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.

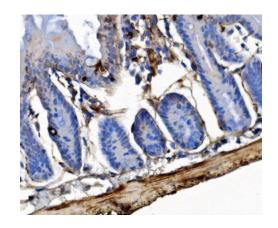
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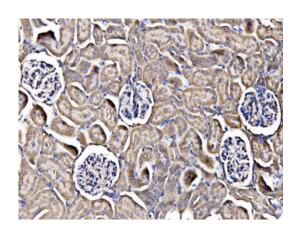




IHC analysis of Integrin Linked ILK using anti-Integrin Linked ILK antibody. Integrin Linked ILK was detected in a paraffinembedded section of human renal clear cell carcinoma tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2 μ g/ml rabbit anti-Integrin Linked ILK 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.



IHC analysis of Integrin Linked ILK using anti-Integrin Linked ILK antibody. Integrin Linked ILK was detected in a paraffinembedded section of mouse colon tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2 μ g/ml rabbit anti-Integrin Linked ILK 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.

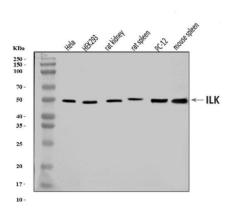


IHC analysis of Integrin Linked ILK using anti-Integrin Linked ILK antibody. Integrin Linked ILK was detected in a paraffinembedded section of rat kidney tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2 μ g/ml rabbit anti-Integrin Linked ILK 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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Western blot analysis of Integrin Linked ILK using anti-Integrin Linked ILK 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 30 ug of sample under reducing conditions. Lane 1: human Hela whole cell lysates, Lane 2: human HEK293 whole cell lysates, Lane 3: rat kidney tissue lysates, Lane 4: rat spleen tissue lysates, Lane 5: rat PC-12 whole cell lysates, Lane 6: mouse spleen tissue lysates. After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA 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-Integrin Linked ILK antigen affinity purified polyclonal antibody at 0.25 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 1:5000 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 Integrin Linked ILK at approximately 51 kDa. The expected band size for Integrin Linked ILK is at 51 kDa.

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