# Product Datasheet

## Caspase-9/Casp9 Rabbit Polyclonal Antibody (orb763021)

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| **Catalog Number** | orb763021 |
| **Category** | Antibodies |
| **Description** | Anti-Caspase-9/Casp9 Antibody. Tested in ELISA, IF, IHC, ICC, WB applications. This antibody reacts with Mouse, Rat. |
| **Target** | Caspase-9 |
| **Clonality** | Polyclonal |
| **Species/Host** | Rabbit |
| **Isotype** | Rabbit IgG |
| **Conjugation** | Unconjugated |
| **Reactivity** | Mouse, Rat |
| **Form/Appearance** | Lyophilized |
| **Concentration** | 500 µg/ml |
| **Buffer/Preservatives** | Each vial contains 4mg Trehalose, 0.9mg NaCl, 0.2mg Na2HPO4. |
| **Reconstitution** | Add 0.2ml of distilled water will yield a concentration of 500ug/ml. |
| **Purification** | Immunogen affinity purified. |
| **Immunogen** | E.coli-derived mouse Casp9 recombinant protein (Position: E19-S454). |
| **UniProt ID** | Q8C3Q9 |

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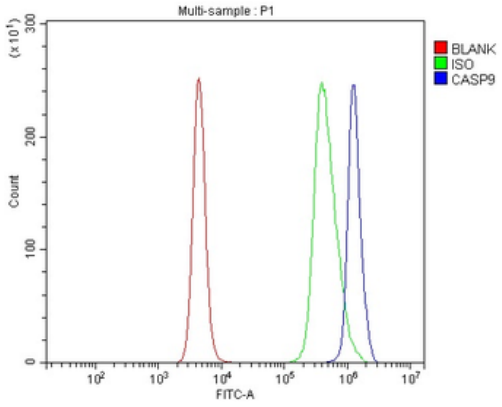
|---|---|
| **MW** | 46 kDa |
| **Tested applications** | ELISA, FC, ICC, IF, IHC, WB |
| **Dilution range** | Western blot, 0.25-0.5µg/ml, Mouse Immunohistochemistry (Paraffin-embedded Section), 2-5µg/ml, Mouse, Rat Immunocytochemistry/Immunofluorescence, 5µg/ml, Mouse Flow Cytometry (Fixed), 1-3µg/1x10^6 cells, Mouse ELISA, 0.1-0.5µg/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 |
| **Expiration Date** | 12 months from date of receipt. |




Flow Cytometry analysis of mouse spleen tissues using anti-Caspase-9/Casp9 antibody. Overlay histogram showing mouse spleen tissue (Blue line). To facilitate intracellular staining, tissues were fixed with 4% paraformaldehyde and permeabilized with permeabilization buffer. The tissue sections were blocked with 10% normal goat serum. And then incubated with rabbit anti-Caspase-9/Casp9 Antibody (1 µg/1x10^6 cells) for 30 min at 20°C. DyLight®488 conjugated goat anti-rabbit IgG (5-10 µg/1x10^6 cells) was used as secondary antibody for 30 minutes at 20°C. Isotype control antibody (Green line) was rabbit IgG (1 µg/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.

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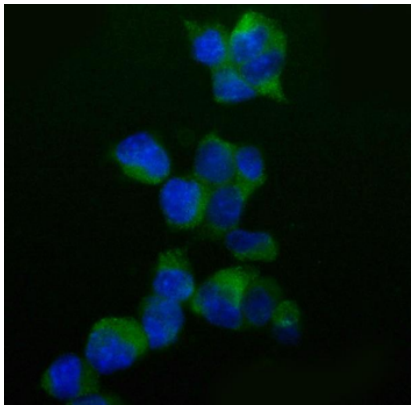
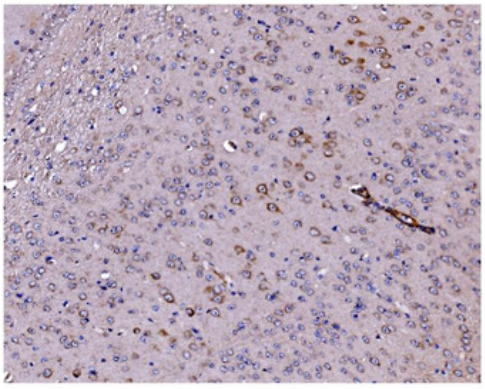
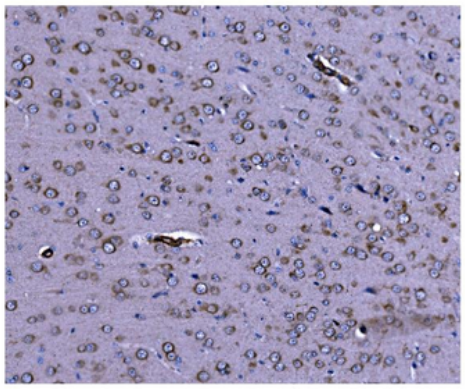


IF analysis of Caspase-9/Casp9 using anti-Caspase-9/Casp9 antibody. Caspase-9/Casp9 was detected in an immunocytochemical section of HEPA1-6 cells. Enzyme antigen retrieval was performed using IHC enzyme antigen retrieval reagent for 15 mins. The cells were blocked with 10% goat serum. And then incubated with 5 µg/mL rabbit anti-Caspase-9/Casp9 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 Caspase-9/Casp9 using anti-Caspase-9/Casp9 antibody. Caspase-9/Casp9 was detected in a paraffin-embedded section of mouse brain 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 µg/ml rabbit anti-Caspase-9/Casp9 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 Caspase-9/Casp9 using anti-Caspase-9/Casp9 antibody. Caspase-9/Casp9 was detected in a paraffin-embedded section of rat brain 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 µg/ml rabbit anti-Caspase-9/Casp9 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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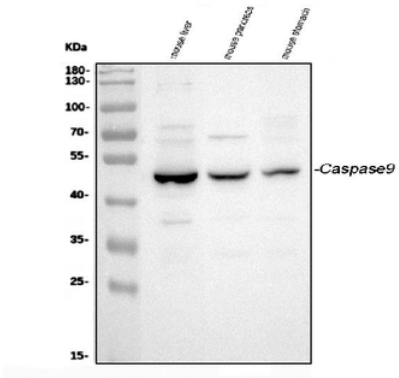


Western blot analysis of Caspase-9/Casp9 using anti-Caspase-9/Casp9 antibody. Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions. Lane 1: mouse liver tissue lysates, Lane 2: mouse pancreas tissue lysates, Lane 3: mouse stomach 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-Caspase-9/Casp9 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 1:5000 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 Caspase-9/Casp9 at approximately 46 kDa. The expected band size for Caspase-9/Casp9 is at 46 kDa.

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