



# Anti-CASP8 polyclonal antibody (DPABH-27261)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

|                            |  |
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| <b>Antigen Description</b> | Most upstream protease of the activation cascade of caspases responsible for the TNFRSF6/FAS mediated and TNFRSF1A induced cell death. Binding to the adapter molecule FADD recruits it to either receptor. The resulting aggregate called death-inducing signaling complex (DISC) performs CASP8 proteolytic activation. The active dimeric enzyme is then liberated from the DISC and free to activate downstream apoptotic proteases. Proteolytic fragments of the N-terminal propeptide (termed CAP3, CAP5 and CAP6) are likely retained in the DISC. Cleaves and activates CASP3, CASP4, CASP6, CASP7, CASP9 and CASP10. May participate in the GZMB apoptotic pathways. Cleaves ADPRT. Hydrolyzes the small-molecule substrate, Ac-Asp-Glu-Val-Asp--AMC. Likely target for the cowpox virus CRMA death inhibitory protein. Isoform 5, isoform 6, isoform 7 and isoform 8 lack the catalytic site and may interfere with the pro-apoptotic activity of the complex. |
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| <b>Immunogen</b>          | Synthetic peptide within Mouse Caspase-8 aa 400 to the C-terminus conjugated to Keyhole Limpet Haemocyanin (KLH). The exact sequence is proprietary. Database link: O89110 |
| <b>Isotype</b>            | IgG  |
| <b>Source/Host</b>        | Rabbit   |
| <b>Species Reactivity</b> | Mouse  |
| <b>Purification</b>       | Immunogen affinity purified  |
| <b>Conjugate</b>          | Unconjugated   |
| <b>Applications</b>       | WB, IP   |
| <b>Format</b>             | Liquid   |
| <b>Size</b>               | 100 µg   |

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|---------------------|--|
| <b>Buffer</b>       | pH: 7.40; Constituent: PBS   |
| <b>Preservative</b> | 0.02% Sodium Azide   |
| <b>Storage</b>      | Store at 4°C short term (1-2 weeks). Aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. |

## GENE INFORMATION

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|------------------------|--|
| <b>Gene Name</b>       | <a href="#">CASP8 caspase 9 [ Mus musculus ]</a>   |
| <b>Official Symbol</b> | CASP8  |
| <b>Synonyms</b>        | CASP8; caspase 8; MACH; Mch5; FLICE; CASP-8; caspase-8; Fas-linked ICE-like protease;  |
| <b>Entrez Gene ID</b>  | <a href="#">12370</a>  |
| <b>Protein Refseq</b>  | <a href="#">NP_001073595.1</a>   |
| <b>UniProt ID</b>      | <a href="#">O89110</a>   |
| <b>Pathway</b>         | Activated TLR4 signalling; Alzheimers disease; Androgen Receptor Signaling Pathway; Apoptosis  |
| <b>Function</b>        | cysteine-type endopeptidase activity; cysteine-type endopeptidase activity; cysteine-type endopeptidase activity; cysteine-type endopeptidase activity involved in apoptotic process |