

CASP12

Reactivity: Human Mouse Rat

Tested applications: WB IHC IF IP

Recommended Dilution: WB 1:500 - 1:1000 IHC 1:20 - 1:200 IF 1:10 - 1:100 IP 1:20 - 1:50

Calculated MW: 39kD

Observed MW: Refer to Figures

Immunogen:

A synthetic peptide of human CASP12

Storage Buffer:

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Synonym:

CASP12P1;

Catalog #: A0556

Antibody Type:

Polyclonal Antibody

Species: Rabbit

Gene ID: 100506742

Isotype: IgG

Swiss Prot: Q6UXS9

Purity: Affinity purification

For research use only.

Background:

Caspase 12 is an enzyme known as a cysteine protease. It belongs to a family of enzymes called caspases that cleave their substrates at C-terminal aspartic acid residues. It is most highly related to members of the ICE subfamily of caspases that process inflammatory cytokines. Caspase-12 is located in the endoplasmic reticulum (ER). It is responsible for ER-stress-induced apoptosis, such as high calcium concentration, low oxygen and low glucose levels. Caspase-12 Antibody detects endogenous levels of full-length caspase-12 protein (50 kDa) and its cleaved product (40-44 kDa). This antibody does not cross-react with other caspases.

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