

Rabbit Caspase-12 Polyclonal Antibody | anti-Casp12 antibody

Caspase-12 Antibody (Small)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA303513	Rabbit	Human, Mouse, Rat	Immunohistochemistry, Western Blot, ELISA

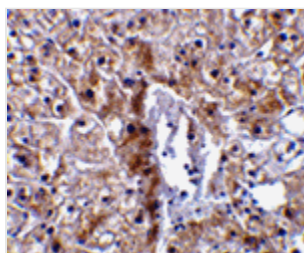
PRODUCT SYNONYMS

Caspase-12; Polyclonal Antibody; Caspase-12 Antibody (Small); Caspase-12 (small); Casp-12 (sml); anti-Casp12 antibody

PRODUCT SPECIFICATIONS

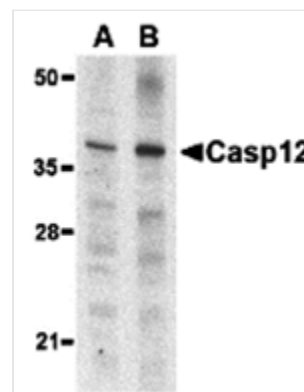
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Purity/Purification	Affinity chromatography purified via peptide column
Form/Format	Supplied in PBS containing 0.02% sodium azide.
Sequence Length	419
Applicable Applications for anti-Casp12 antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA
Immunogen Type	Peptide
Immunogen Description	Raised against a synthetic peptide corresponding to amino acids within. The small cleavage product of murine caspase-12.
Target Name	Caspase-12 (Small)
Preparation and Storage	Caspase-12 antibody (Small) can be stored at -20 degree C, stable for one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

IMAGES



IHC (Immunohistochemistry)

Immunohistochemical staining of human liver tissue using caspase-12 antibody (small) at 10 ug/mL.



WB (Western Blot)

Western blot analysis of caspase-12 in mouse (lane A) and rat (lane B) liver lysate with caspase-12 antibody (small) at 1 ug/mL.

ADDITIONAL INFORMATION

Related Product Information for anti-Casp12 antibody	Three distinct signaling pathways lead to programmed cell death (apoptosis). The death receptor and mitochondrion pathways are the main, in which the key apoptotic proteases capase-8 and caspase-9, respectively, are involved. The endoplasmic reticulum (ER) stress is the third apoptotic pathway and caspase-12 is involved. Caspase-12 is localized to the ER but not to cytoplasm or mitochondrion. Caspase-12 is activated by ER stress, including disruption of ER calcium homeostasis, and mediates ER stress-induced apoptosis. Caspase-12 is co-localized to the ER with several proteins that are involved in Alzheimer's disease including gamma-secretase presenilin and beta-amyloid precursor protein (APP). Caspase-12 mediates cytotoxicity induced by amyloid-beta. Caspase-12 is ubiquitously expressed in mouse tissues.
Product Categories/Family for anti-Casp12 antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	2094806
NCBI GeneID	12364
UniProt Accession #	O08736; Q3TT82
Molecular Weight	47,854 Da
NCBI Official Full Name	caspase-12
NCBI Official Synonym Full Names	caspase 12
NCBI Official Symbol	Casp12
NCBI Protein Information	caspase-12
UniProt Protein Name	Caspase-12
UniProt Gene Name	Casp12
UniProt Synonym Gene Names	CASP-12
UniProt Entry Name	CASPC_MOUSE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.