10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Caspase-2 Antibody

Rabbit mAb
Catalog # AP90781

Product Information

Application	WB
Primary Accession	P42575
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Other Names	Caspase-2; CASP-2; Neural precursor cell expressed developmentally down-regulated protein 2; NEDD-2; Protease ICH-1; Caspase-2 subunit p18; ICH1; NEDD2;
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	50685

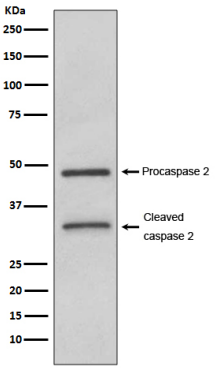
Additional Information

Dilution	WB 1:500~1:1000
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human Caspase-2
Description	Caspase-2 is a Class I caspase with a long prodomain necessary for nuclear localization. Caspase-2 is the nuclear apoptotic respondent to cellular genotoxic stress or mitotic catastrophe. Activation occurs upon recruitment to a complex containing a p53-induced death domain protein, PIDD.
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

Protein Information

Name	CASP2
Synonyms	ICH1, NEDD2
Function	Is a regulator of the cascade of caspases responsible for apoptosis execution (PubMed:11156409, PubMed:15073321, PubMed:8087842). Might function by either activating some proteins required for cell death or inactivating proteins necessary for cell survival (PubMed:15073321). Associates with PIDD1 and CRADD to form the PIDDosome, a complex that activates CASP2 and triggers apoptosis in response to genotoxic stress (PubMed:15073321).
Tissue Location	Expressed at higher levels in the embryonic lung, liver and kidney than in the heart and brain. In adults, higher level expression is seen in the placenta, lung, kidney, and pancreas than in the heart, brain, liver and skeletal muscle

Images



Western blot analysis of Caspase-2 expression in HeLa cell lysate.

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