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Caspase-2 Antibody

Rabbit mAb
Catalog # AP90497

Product Information

Application	WB, IHC, IF, FC, ICC, IHF
Primary Accession	P42575
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Other Names	Caspase-2; Caspase 2; Caspase2; CASP-2; Neural precursor cell expressed developmentally down-regulated protein 2; NEDD-2; Protease ICH-1; CASP2; ICH1; NEDD2
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	50685

Additional Information

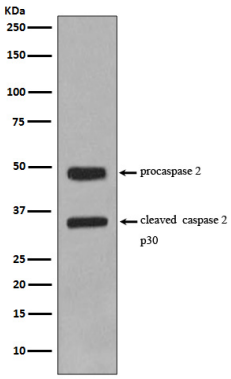
Dilution	WB 1:500~2000 IHC 50~200 ICC/IF 50~200
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human Caspase-2
Description	Caspase-2 (Nedd2, ICH-1) is an aspartate-specific cysteine protease that is activated in response to various apoptotic stimuli. Caspase-2 is unique among the caspases in that it has features of both upstream caspases (long prodomain) and downstream caspases (DEXD substrate specificity). Caspase-2 is highly expressed in the brain during development and is expressed at low levels in adult tissue.
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 Jurkat cell lysate.

Image not found : 202311/AP90497-IHC.jpg

Immunohistochemical analysis of paraffin-embedded mouse testis, using Caspase-2 Antibody.

Image not found : 202311/AP90497-IF.jpg

Immunofluorescent analysis of Hela cells, using Caspase-2 Antibody.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.