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Caspase 2 (p12, Cleaved-Ala348) rabbit pAb

Cat No.:ES19954

For research use only

Overview

Product Name	Caspase 2 (p12, Cleaved-Ala348) rabbit pAb
Host species	Rabbit
Applications	WB; ELISA
Species Cross-Reactivity	Human;Rat;Mouse;
Recommended dilutions	WB 1:1000-2000 ELISA 1:5000-20000
Immunogen	Synthesized peptide derived from human Caspase 2 (p12, Cleaved-Ala348)
Specificity	This antibody detects endogenous levels of Human Caspase 2 (p12, Cleaved-Ala348, protein was cleaved amino acid sequence between 347-348)
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	Store at -20℃. Avoid repeated freeze-thaw cycles.
Protein Name	Caspase2
Gene Name	CASP2 ICH1 NEDD2
Cellular localization	
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	12 50kD
Human Gene ID	835
Human Swiss-Prot Number	P42575
Alternative Names	Caspase-2 (CASP-2;EC 3.4.22.55;Neural precursor cell expressed developmentally down-regulated protein 2;NEDD-2;Protease ICH-1) [Cleaved into: Caspase-2 subunit p18; Caspase-2 subunit p13; Caspase-2 subunit p12]
Background	alternative products:Isoforms differ in the N- and C-termini,catalytic activity:Strict requirement for an Asp residue at P1, with 316-asp being essential for proteolytic activity and has a preferred cleavage

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sequence of Val-Asp-Val-Ala-Asp-|-.,function:Involved in the activation cascade of caspases responsible for apoptosis execution. Might function by either activating some proteins required for cell death or inactivating proteins necessary for cell survival.,PTM:The mature protease can process its own propeptide, but not that of other caspases.,similarity:Belongs to the peptidase C14A family.,similarity:Contains 1 CARD domain.,subunit:Heterotetramer that consists of two anti-parallel arranged heterodimers, each one formed by a p18 subunit and a p12 subunit. Interacts with LRDD.,tissue specificity: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.,

+86-27-59760950 ELKbio@ELKbiotech.com www.elkbiotech.com

23-2, No.388 Gaoxin 2nd Road,Wuhan East Lake Hi-tech Development Zone, Hubei , P.R.C