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Anti-Cleaved Caspase 2 Antibody

Catalog # AP51040

Product Information

Application	WB
Primary Accession	P42575
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	50685

Additional Information

Gene ID	835
Other Names	ICH1; NEDD2; Caspase-2; CASP-2; Neural precursor cell expressed developmentally down-regulated protein 2; NEDD-2; Protease ICH-1
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human Cleaved Caspase 2. The exact sequence is proprietary.
Dilution	WB~~ 1:1000
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

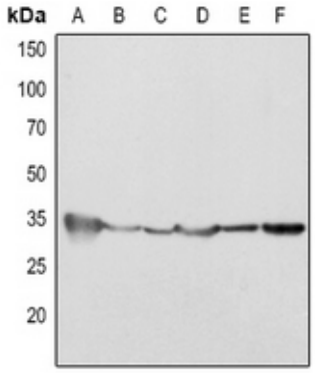
Protein Information

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

References

Wang L.,et al.Cell 78:739-750(1994).
Droin N.,et al.Cancer Res. 60:7039-7047(2000).
Halleck A.,et al.Submitted (JUN-2004) to the EMBL/GenBank/DDBJ databases.
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Hillier L.W.,et al.Nature 424:157-164(2003).

Images



Western blot analysis of Cleaved Caspase 2 expression in HepG2 (A), mouse liver (B), mouse brain (C), rat liver (D), rat brain (E), rat heart (F) whole cell lysates. (Predicted band size: 50 kD; Observed band size: 34 kD)

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