

Caspase-2 rabbit pAb**Cat#: orb764728 (Manual)**

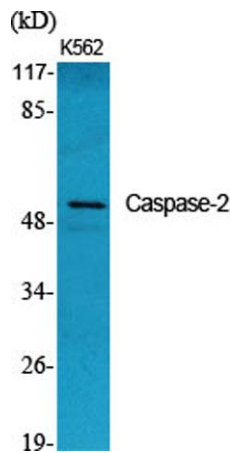
For research use only. Not intended for diagnostic use.

Product Name	Caspase-2 rabbit pAb
Host species	Rabbit
Applications	WB;IHC;IF;ELISA
Species Cross-Reactivity	Human;Rat;Mouse;
Recommended dilutions	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/10000. Not yet tested in other applications.
Immunogen	The antiserum was produced against synthesized peptide derived from human Caspase 2. AA range:123-172
Specificity	Caspase-2 Polyclonal Antibody detects endogenous levels of Caspase-2 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide..
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	Caspase2
Gene Name	CASP2
Cellular localization	nucleus,cytoplasm,mitochondrion,cytosol,membrane,
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal

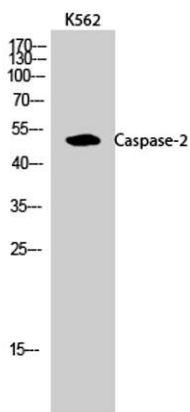
Concentration	1 mg/ml
Observed band	51kD
Human Gene ID	835
Human Swiss-Prot Number	P42575
Alternative Names	CASP2; ICH1; NEDD2; Caspase-2; CASP-2; Neural precursor cell expressed developmentally down-regulated protein 2; NEDD-2; Protease ICH-1

Background

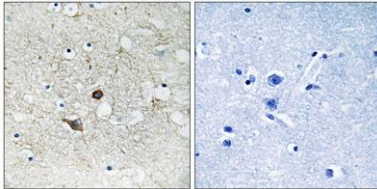
This gene encodes a member of the cysteine-aspartic acid protease (caspase) family. Caspases mediate cellular apoptosis through the proteolytic cleavage of specific protein substrates. The encoded protein may function in stress-induced cell death pathways, cell cycle maintenance, and the suppression of tumorigenesis. Increased expression of this gene may play a role in neurodegenerative disorders including Alzheimer's disease, Huntington's disease and temporal lobe epilepsy. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Jan 2011],



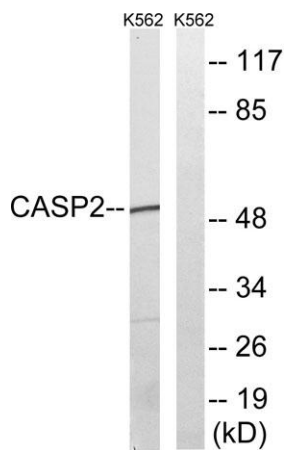
Western Blot analysis of various cells using Caspase-2 Polyclonal Antibody



Western Blot analysis of K562 cells using Caspase-2 Polyclonal Antibody



Immunohistochemistry analysis of paraffin-embedded human lung carcinoma tissue, using Caspase 2 Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from K562, using Caspase 2 Antibody. The lane on the right is blocked with the synthesized peptide.