

Basic Information

Product Name	Anti-Caspase 1/CASP1 Antibody (Clone#DCB-3)		
Gene Name	CASP1		
Source	Rabbit		
Clonality	Monoclonal		
Isotype	IgG		
Species Reactivity	human, rat		
Tested Application	WB, IHC		
Contents	500 ug/ml; Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide, 0.4-0.5 mg/ml BSA and 50% glycerol.		
Immunogen	A synthesized peptide derived from human Caspase-1		
Concentration	500 ug/ml		
Purification	Affinity-chromatography		
Observed MW	45 kDa		
Dilution Ratios	Western blot (WB): 1:500-2000 Immunohistochemistry (IHC):1:50-200		

Storage

12 months from date of receipt, -20°C as supplied.

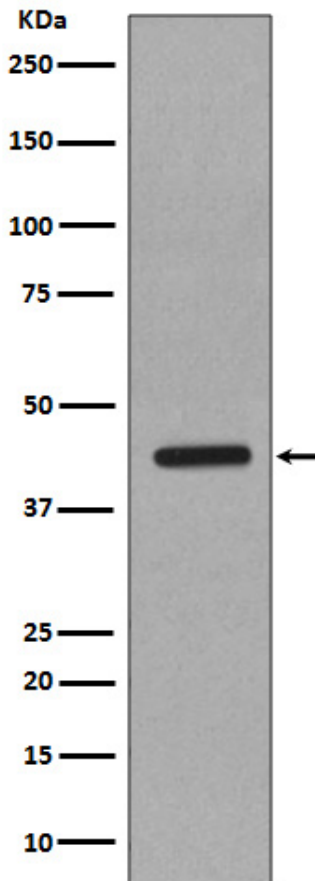
Background Information

Caspase 1 is a cysteine protease that regulates inflammatory processes through its capacity to process and activate the interleukin-1-beta, IL18, and IL33 precursor proteins. It belongs to a family of cysteine proteases known as caspases that always cleave proteins following an aspartic acid residue. The Caspase1 gene consists of 10 exons spanning at least 10.6 kb. The Caspase 1 gene is mapped to 11q23, a site frequently involved in rearrangement in human cancers, including a number of leukemias and lymphomas, by Southern DNA blot analysis of rodent-human hybrids and by in situ hybridization to normal human metaphase chromosomes. Caspase 1 has been shown to induce cell necrosis or pyroptosis and may function in various developmental stages.

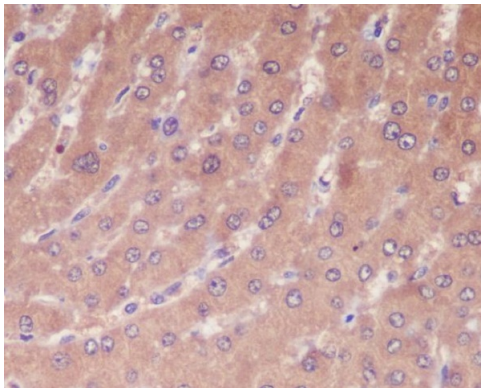
Reference

Anti-Caspase 1/CASP1 Antibody (Clone#DCB-3)被引用在15文献中。

Selected Validation Data



Western blot analysis of Caspase-1 in HeLa cell lysate.



Immunohistochemical analysis of paraffin-embedded human liver, using Caspase-1 Antibody.