

Product Name: Cleaved-Caspase 4/5 p20 Rabbit Polyclonal Antibody
Catalog #: APRab00843

Summary

Production Name	Cleaved-Caspase 4/5 p20 Rabbit Polyclonal Antibody
Description	Primary antibody
Host	Rabbit
Application	WB,ELISA
Reactivity	Human

Performance

Conjugation	Unconjugated
Modification	Cleaved
Isotype	IgG
Clonality	Polyclonal Antibody
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide, pH 7.3.
Purification	Affinity Chromatography

Immunogen

Gene Name	CASP4
Alternative Names	TX; Mih1; ICH-2; Mih1/TX; ICEREL-II; ICE(rel)II
Gene ID	837/838
SwissProt ID	P49662/P51878

Application

Dilution Ratio	WB: 1/500-1/1000 ELISA: 1/10000
Molecular Weight	Calculated MW: 43 kDa; Observed MW: 47,22 kDa

Background

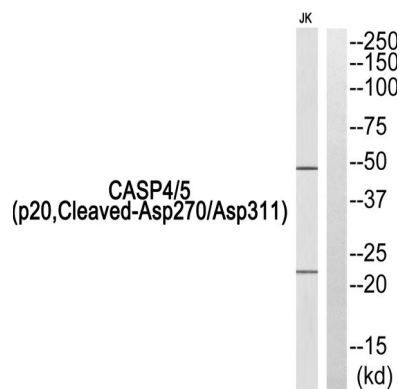
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CASP4 (caspase 4) encodes a protein that is a member of the cysteine-aspartic acid protease (caspase) family. Sequential activation of caspases plays a central role in the execution-phase of cell apoptosis. Caspases exist as inactive proenzymes composed of a prodomain and a large and small protease subunit. Activation of caspases requires proteolytic processing at conserved internal aspartic residues to generate a heterodimeric enzyme consisting of the large and small subunits. This caspase is able to cleave and activate its own precursor protein, as well as caspase 1 precursor. When overexpressed, caspase 4 induces cell apoptosis. Alternative splicing results in transcript variants encoding distinct isoforms.

Research Area

Cell Biology

Image Data



Western blot analysis of Cleaved-Caspase 4/5 p20 in Jurkat lysates using Caspase 4/5 (p20, Cleaved-Asp270/Asp311) antibody. The lane on the right is blocked with the Caspase 4/5 (p20, Cleaved-Asp270/Asp311) peptide.

Note

For research use only.