10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Anti-CASP5 / Caspase 5 Antibody (aa102-151)

Rabbit Anti Human Polyclonal Antibody
Catalog # ALS18376

Product Information

Application	WB, IHC-P, E
Primary Accession	P51878
Predicted	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	49736

Additional Information

Gene ID	838
Alias Symbol	CASP5
Other Names	CASP5, CASP-5, Caspase 5, Caspase-5, ICE(rel)III, ICEREL-III, ICE(rel)-III, Ich-3, Protease TY, ICH3, Protease ICH-3, TY protease
Target/Specificity	Caspase 5 (p20,Cleaved-Asp121) Antibody detects endogenous levels of fragment of activated Caspase 5 resulting from cleavage adjacent to Asp121.
Reconstitution & Storage	Immunoaffinity purified
Precautions	Anti-CASP5 / Caspase 5 Antibody (aa102-151) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	CASP5 {ECO:0000303|PubMed:16893518, ECO:0000312|HGNC:HGNC:1506}
Function	Thiol protease that acts as a mediator of programmed cell death (PubMed:28314590, PubMed:29898893). Initiates pyroptosis, a programmed lytic cell death pathway through cleavage of Gasdermin-D (GSDMD): cleavage releases the N-terminal gasdermin moiety (Gasdermin- D, N-terminal) that binds to membranes and forms pores, triggering pyroptosis (PubMed:29898893). Also mediates cleavage and maturation of IL18 (PubMed:37993714). Cleavage of GSDMD and IL18 is not strictly dependent on the consensus cleavage site but depends on an exosite interface on CASP4 (PubMed:37993714). During non-canonical inflammasome activation, cuts CGAS and may play a role in the regulation of antiviral innate immune activation (PubMed:28314590).
Tissue Location	Expressed in barely detectable amounts in most tissues except brain, highest

levels being found in lung, liver and skeletal muscle.

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