

Anti-CASP5 / Caspase 5 Antibody (aa102-151)
Rabbit Anti Human Polyclonal Antibody
Catalog # ALS18376**Specification**

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

Application	WB, IHC-P, E
Primary Accession	P51878
Predicted	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	49736
Dilution	WB~~1:1000 IHC-P~~N/A E~~N/A

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

Anti-CASP5 / Caspase 5 Antibody (aa102-151) - 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:<a

[29898893](http://www.uniprot.org/citations/29898893)). Also mediates cleavage and maturation of IL18 (PubMed: [37993714](http://www.uniprot.org/citations/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](http://www.uniprot.org/citations/37993714)). During non-canonical inflammasome activation, cuts CGAS and may play a role in the regulation of antiviral innate immune activation (PubMed: [28314590](http://www.uniprot.org/citations/28314590)).

Tissue Location

Expressed in barely detectable amounts in most tissues except brain, highest levels being found in lung, liver and skeletal muscle.

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

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

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