

Cleaved-Caspase-5 p10 (S331) Polyclonal Antibody
Catalog # AP63105**Specification****Cleaved-Caspase-5 p10 (S331) Polyclonal Antibody - Product Information**

Application	WB
Primary Accession	P51878
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal

Cleaved-Caspase-5 p10 (S331) Polyclonal Antibody - Additional Information**Gene ID** 838**Other Names**

CASP5; ICH3; Caspase-5; CASP-5; ICE(rel)-III; Protease ICH-3; Protease TY

Dilution

WB~~Western Blot: 1/500 - 1/2000. ELISA: 1/20000. Not yet tested in other applications.

Format

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

Storage Conditions

-20°C

Cleaved-Caspase-5 p10 (S331) Polyclonal Antibody - 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

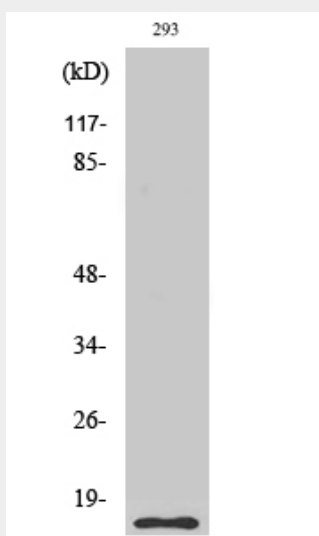
Expressed in barely detectable amounts in most tissues except brain, highest levels being found in lung, liver and skeletal muscle.

Cleaved-Caspase-5 p10 (S331) Polyclonal Antibody - 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](#)

Cleaved-Caspase-5 p10 (S331) Polyclonal Antibody - Images



Western Blot analysis of various cells using Cleaved-Caspase-5 p10 (S331) Polyclonal Antibody diluted at 1:1000

Cleaved-Caspase-5 p10 (S331) Polyclonal Antibody - Background

Mediator of programmed cell death (apoptosis). During non-canonical inflammasome activation, cuts CGAS and may play a role in the regulation of antiviral innate immune activation (PubMed:28314590).