

Cleaved-Caspase-5 p20 (D121) Polyclonal Antibody

Catalog # AP63106

Product Information

Application WB
Primary Accession P51878
Reactivity Human
Host Rabbit
Clonality Polyclonal
Calculated MW 49736

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

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:<u>28314590</u>, PubMed:<u>29898893</u>). 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:<u>29898893</u>). Also mediates cleavage and maturation of IL18 (PubMed:<u>37993714</u>). Cleavage of GSDMD and IL18 is not strictly dependent on the consensus cleavage site but depends on an exosite interface on CASP4 (PubMed:<u>37993714</u>). During non-canonical inflammasome activation, cuts CGAS and may play a role in the regulation of antiviral innate immune

activation (PubMed: 28314590).

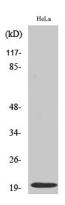
Tissue Location Expressed in barely detectable amounts in most tissues except brain, highest

levels being found in lung, liver and skeletal muscle.

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).

Images



Western Blot analysis of various cells using Cleaved-Caspase-5 p20 (D121) Polyclonal Antibody diluted at 1: 1000

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