

Product Name: Cleaved-Caspase-5 p10 (S331) Rabbit Polyclonal Antibody Catalog #: APRab08961

For research use only.

Summary

Description Rabbit polyclonal Antibody

Host Rabbit
Application WB,ELISA

Reactivity Human,Rat,Mouse
Conjugation Unconjugated
Modification Unmodified

Isotype IgG

ClonalityPolyclonalFormLiquidConcentration1mg/ml

Storage Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.

Shipping Ice bags

Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type **Buffer**

preservative N.

Purification Affinity purification

Application

Dilution Ratio WB 1:500-1:2000,ELISA 1:10000-1:20000

Molecular Weight 10kDa

Antigen Information

Gene Name CASP5

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

 Gene ID
 838.0

 SwissProt ID
 P51878

The antiserum was produced against synthesized peptide derived from human Caspase 5.

AA range:312-361

Background

This gene encodes a member of the cysteine-aspartic acid protease (caspase) family. Sequential activation of caspases plays a

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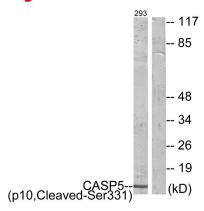


central role in the execution-phase of cell apoptosis. Caspases exist as inactive proenzymes which undergo proteolytic processing at conserved aspartic residues to produce two subunits, large and small, that dimerize to form the active enzyme. Overexpression of the active form of this enzyme induces apoptosis in fibroblasts. Max, a central component of the Myc/Max/Mad transcription regulation network important for cell growth, differentiation, and apoptosis, is cleaved by this protein; this process requires Fas-mediated dephosphorylation of Max. The expression of this gene is regulated by interferongamma and lipopolysaccharide. Alternatively spliced transcript variants have been identified for this gene. [provided by RefSeq, Aug 2010],catalytic activity:Strict requirement for Asp at the P1 position. It has a preferred cleavage sequence of Tyr-Val-Ala-Asp-|- but also cleaves at Asp-Glu-Val-Asp-|-,function:Mediator of programmed cell death (apoptosis).,PTM:The two subunits are derived from the precursor sequence by an autocatalytic mechanism.,similarity:Belongs to the peptidase C14A family,,similarity:Contains 1 CARD domain.,subunit:Heterotetramer that consists of two anti-parallel arranged heterodimers, each one formed by a 20 kDa (p20) and a 10 kDa (p10) subunits.,tissue specificity:Expressed in barely detectable amounts in most tissues except brain, highest levels being found in lung, liver and skeletal muscle.,

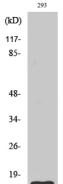
Research Area

NOD-like receptor;

Image Data



Western blot analysis of lysates from 293 cells, treated with etoposide 25uM 1h, using Caspase 5 (p10,Cleaved-Ser331) Antibody. The lane on the right is blocked with the synthesized peptide.



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

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