

Cleaved-Caspase-5 p10 (S331) Polyclonal Antibody

Catalog No: YC0030

Reactivity: Human;

Applications: WB;ELISA

Target: Caspase-5

Fields: >>NOD-like receptor signaling pathway;>>Salmonella infection

Gene Name: CASP5

Protein Name: Caspase5

Human Gene Id: 838

Human Swiss Prot

Immunogen:

No:

NO:

Caspase 5. AA range:312-361

P51878

Specificity: Cleaved-Caspase-5 p10 (S331) Polyclonal Antibody detects endogenous levels

of fragment of activated Caspase-5 p10 protein resulting from cleavage adjacent

The antiserum was produced against synthesized peptide derived from human

to S331.

Formulation : Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Source: Polyclonal, Rabbit, IgG

Dilution: WB 1:500 - 1:2000. ELISA: 1:20000. Not yet tested in other applications.

Purification: The antibody was affinity-purified from rabbit antiserum by affinity-

chromatography using epitope-specific immunogen.

Concentration: 1 mg/ml

Storage Stability: -15°C to -25°C/1 year(Do not lower than -25°C)

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Observed Band: 10kD

Cell Pathway: NOD-like receptor;

This gene encodes a member of the cysteine-aspartic acid protease (caspase) **Background:**

> family. Sequential activation of caspases plays a central role in the executionphase 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 interferon-gamma 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 **Function:**

> 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...

Subcellular neuron projection, neuronal cell body, IPAF inflammasome complex, NLRP1 Location:

inflammasome complex, NLRP3 inflammasome complex, AIM2 inflammasome

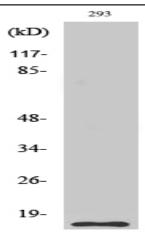
complex,

Expression: Expressed in barely detectable amounts in most tissues except brain, highest

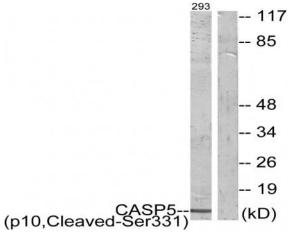
levels being found in lung, liver and skeletal muscle.

Products Images

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



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.