

Cleaved-Caspase-5 p10 (S331) Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-AP01894
Host	Rabbit
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	The antiserum was produced against synthesized peptide derived from human Caspase 5. AA range:312-361
Mol wt	47814
Species reactivity	Human
Clonality	Polyclonal
Recommended application	WB, ELISA
Concentration	1 mg/ml
Full name	Cleaved-Caspase-5 p10 (S331) Antibody
Synonyms	CASP5; ICH3; Caspase-5; CASP-5; ICE(rel)-III; Protease ICH-3; Protease TY

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

CASP5 encodes a member of the cysteine-aspartic acid protease (caspase) family. Sequential activation of caspases plays a 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 caspase 5 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 caspase 5; this process requires Fas-mediated dephosphorylation of Max. The expression of CASP5 is regulated by interferon-gamma and lipopolysaccharide. Alternatively spliced transcript variants have been identified for CASP5.

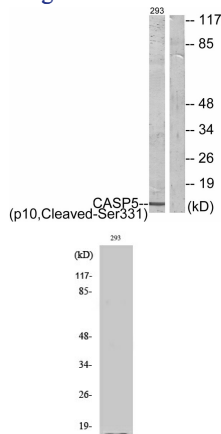
Recommended Dilution

WB: 1: 500 - 1: 2000

ELISA: 1: 20000

Not yet tested in other applications.

Images



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

Storage

-20°C for one year

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