ELK Biotechnology

Cleaved-Caspase-5 p10 (S331) rabbit pAb

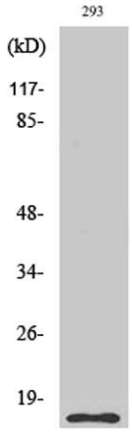
Cat No.:ES1020

For research use only

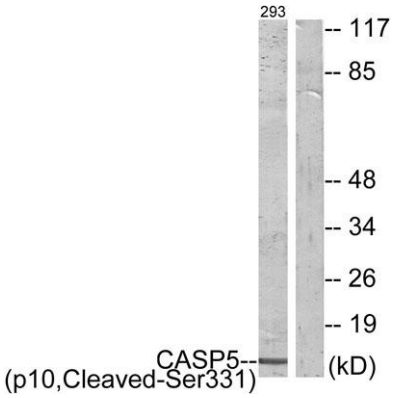
Overview

Product Name	Cleaved-Caspase-5 p10 (S331) rabbit pAb
Host species	Rabbit
Applications	WB;ELISA
Species Cross-Reactivity	Human;Rat;Mouse;
Recommended dilutions	Western Blot: 1/500 - 1/2000. ELISA: 1/20000. Not yet tested in other applications.
Immunogen	The antiserum was produced against synthesized peptide derived from human Caspase 5. AA range:312-361
Specificity	Cleaved-Caspase-5 p10 (S331) Polyclonal Antibody detects endogenous levels of fragment of activated Caspase-5 p10 protein resulting from cleavage adjacent to S331.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	Caspase5
Gene Name	CASP5
Cellular localization	neuron projection,neuronal cell body,IPAF inflammasome complex,NLRP1 inflammasome complex,NLRP3 inflammasome complex,AIM2 inflammasome complex,
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	10kD
Human Gene ID	838
Human Swiss-Prot Number	P51878
Alternative Names	CASP5; ICH3; Caspase-5; CASP-5; ICE(rel)-III; Protease ICH-3; Protease TY
Background	This gene 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 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],



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.

+86-27-59760950 ELKbio@ELKbiotech.com www.elkbiotech.com

23-2, No.388 Gaoxin 2nd Road,Wuhan East Lake Hi-tech Development Zone, Hubei , P.R.C