ARG66686
anti-Caspase 5 (cleaved p10) antibody

Package: 100 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes Caspase 5 (cleaved p10)
Tested Reactivity	Hu
Tested Application	WB
Specificity	The antibody detects fragment of activated Caspase 5 protein (cleaved p10) resulting from cleavage adjacent to Ser331.
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	Caspase 5 (cleaved p10)
Species	Human
Immunogen	Synthetic peptide within aa. 290-370 of Human Caspase 5 (cleaved p10).
Conjugation	Un-conjugated
Alternate Names	Protease ICH-3; Caspase-5; Protease TY; CASP-5; EC 3.4.22.58; ICE; ICEREL-III; ICH-3; ICE(rel)III; rel

Application Instructions

Application table

Application	Dilution
WB	1:500 - 1:2000

Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.
Positive Control	293
Observed Size	~ 10 kDa (cleaved)

Properties

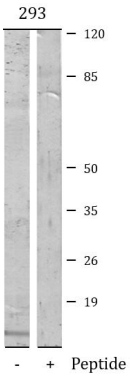
Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	PBS, 0.02% Sodium azide, 50% Glycerol and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol and 0.5% BSA
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

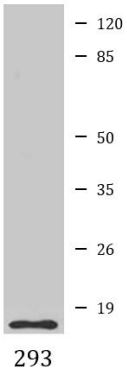
Gene Symbol	CASP5
Gene Full Name	caspase 5, apoptosis-related cysteine peptidase
Background	This gene encodes a member of the cysteine-aspartic acid protease (caspase) family. Sequential activation of caspases plays a central role in the execution-phase of cell apoptosis. Caspases exist as inactive proenzymes 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]
Function	Mediator of programmed cell death (apoptosis). [UniProt]
Calculated Mw	50 kDa (uncleaved)
PTM	The two subunits are derived from the precursor sequence by an autocatalytic mechanism. [UniProt]

Images



ARG66686 anti-Caspase 5 (cleaved p10) antibody WB image

Western blot: 293 cells treated with etoposide (25 µM for 1 hour). Cell lysates were stained with ARG66686 anti-Caspase 5 (cleaved p10) antibody. The lane on the right is blocked with the synthetic peptide.



ARG66686 anti-Caspase 5 (cleaved p10) antibody WB image

Western blot: 293 cell lysate stained with ARG66686 anti-Caspase 5 (cleaved p10) antibody at 1:1000 dilution.