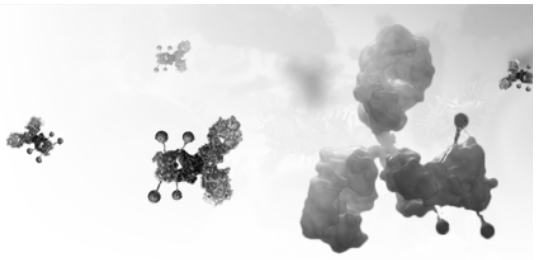

Anti-CASP5 (aa 309-418) polyclonal antibody (DPAB-DC3442)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	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.
Immunogen	CASP5 (NP_004338, 309 a.a. ~ 418 a.a) partial recombinant protein with GST tag. The sequence is VRDSPASLAVISSQSSENLEADSVCKIHEEKDFIAFCSSTPHNVSWRDRTRGSIFITELI TCFQKYSCCCHLMEIFRKVQKSFEVPQAKAQMPTIERATLTRDFYLFPGN
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Cell lysate), WB (Recombinant protein), ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None

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Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	CASP5 caspase 5, apoptosis-related cysteine peptidase [Homo sapiens (human)]
Official Symbol	CASP5
Synonyms	CASP5; caspase 5, apoptosis-related cysteine peptidase; ICH-3; ICEREL-III; ICE(rel)III; caspase-5; CASP-5; TY protease; protease TY; ICE(rel)-III; protease ICH-3; caspase 5, apoptosis-related cysteine protease;
Entrez Gene ID	838
Protein Refseq	NP_001129581
UniProt ID	P51878
Chromosome Location	11q22.2-q22.3
Pathway	NOD pathway; NOD-like receptor signaling pathway.
Function	cysteine-type endopeptidase activity; cysteine-type peptidase activity;

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