

Product datasheet for **TA357505**

Caspase 5 (CASP5) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	FC, WB
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human CASP5
Specificity:	Expected reactivity: Cow, Guinea Pig, Human Homology: Cow: 83%; Guinea Pig: 82%; Human: 100%
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Concentration:	lot specific
Purification:	Affinity Purified
Conjugation:	Unconjugated
Storage:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	43kDa
Gene Name:	caspase 5
Database Link:	NP_001129581 Entrez Gene 838 Human P51878



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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.

Synonyms:

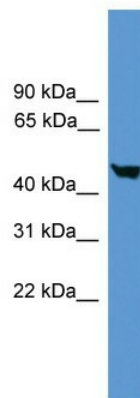
CASP-5; ICE(rel)-III; ICE(rel)III; ICEREL-III; ICH-3; ICH3; MGC141966

Protein Families:

Druggable Genome, Protease

Protein Pathways:

NOD-like receptor signaling pathway

Product images:

WB Suggested Anti-CASP5 Antibody Titration: 0.2-1 ug/ml
ELISA Titer: 1:312500
Positive Control: A549 cell lysate