

Datasheet for ABIN2787906
anti-CASP5 antibody (Middle Region)[Go to Product page](#)

2 Images

Overview

Quantity:	100 µL
Target:	CASP5
Binding Specificity:	Middle Region
Reactivity:	Human, Cow, Guinea Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CASP5 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human CASP5
Sequence:	VIIVQACRGE KHGELWVRDS PASLALISSQ SSENLEADSV CKIHEEKDFI
Predicted Reactivity:	Cow: 83%, Guinea Pig: 82%, Human: 100%
Characteristics:	This is a rabbit polyclonal antibody against CASP5. It was validated on Western Blot.
Purification:	Affinity Purified

Target Details

Target:	CASP5
Alternative Name:	CASP5 (CASP5 Products)
Background:	This gene encodes a member of the cysteine-aspartic acid protease (caspase) family.

Target Details

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.

Alias Symbols: ICE(rel)III, ICEREL-III, ICH-3, MGC141966

Protein Interaction Partner: PPHLN1, NLRP1, CASP5, MAX,

Protein Size: 376

Molecular Weight: 43 kDa

Gene ID: 838

NCBI Accession: [NM_001136109](#), [NP_001129581](#)

UniProt: [P51878](#)

Pathways: [Inflammasome](#)

Application Details

Application Notes: Optimal working dilutions should be determined experimentally by the investigator.

Comment: Antigen size: 376 AA

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: Lot specific

Buffer: Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.

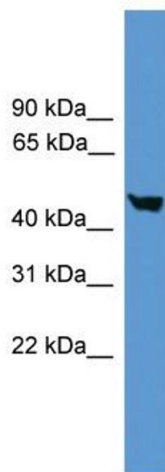
Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling

Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	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.

Images



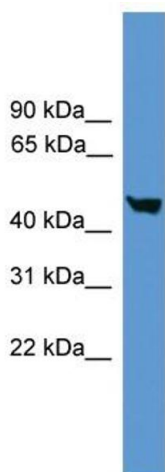
Western Blotting

Image 1. WB Suggested Anti-CASP5 Antibody Titration:

0.2-1 ug/ml

ELISA Titer: 1:312500

Positive Control: A549 cell lysate



Rabbit Anti-CASP5 Antibody
Catalog Number: ARP58992
Lot Number: QC29967
Lane: A549 Cell Lysate

Antibody Titration: 0.25µg/ml
Gel Concentration: 12%

Western Blotting

Image 2. WB Suggested Anti-CASP5

Antibody Titration: 0.2-1 µg/mL ELISA Titer: 1:12500

Positive Control: A549 cell lysate