

Datasheet for ABIN654898  
**anti-CASP5 antibody (AA 162-191)**[Go to Product page](#)

## 4 Images

## Overview

Quantity:	400 µL
Target:	CASP5
Binding Specificity:	AA 162-191
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CASP5 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Flow Cytometry (FACS)

## Product Details

Immunogen:	This CASP5 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 162-191 amino acids from the Central region of human CASP5.
Clone:	RB18988
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

## Target Details

Target:	CASP5
Alternative Name:	CASP5 ( <a href="#">CASP5 Products</a> )

## Target Details

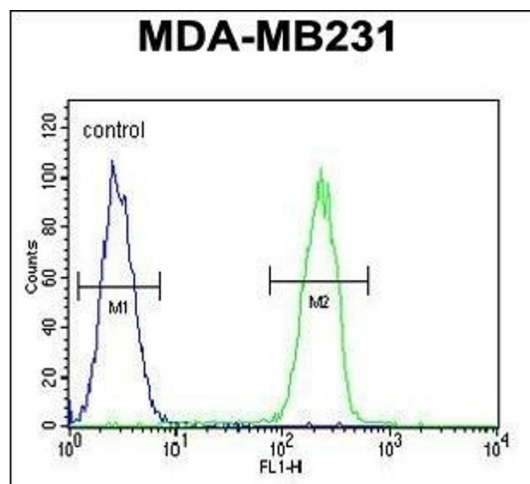
Background:	<p>This gene encodes a member of the cysteine-aspartic acid protease (caspase) family. Sequential activation of caspases plays a central role in the execution-phase of cell apoptosis. Caspases exist as inactive proenzymes which undergo proteolytic processing at conserved aspartic residues 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.</p>
Molecular Weight:	49736
Gene ID:	838
NCBI Accession:	<a href="#">NP_001129581</a> , <a href="#">NP_001129582</a> , <a href="#">NP_001129584</a> , <a href="#">NP_004338</a>
UniProt:	<a href="#">P51878</a>
Pathways:	<a href="#">Inflammasome</a>

## Application Details

Application Notes:	WB: 1:2000. WB: 1:1000. IHC-P: 1:50~100. FC: 1:10~50
Restrictions:	For Research Use only

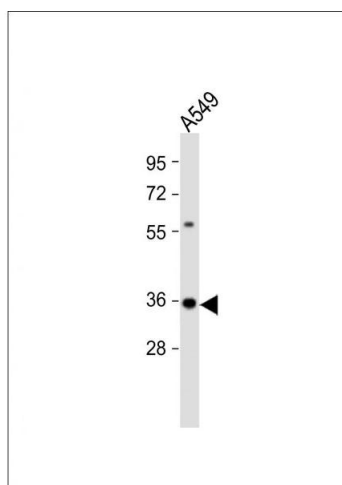
## Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months



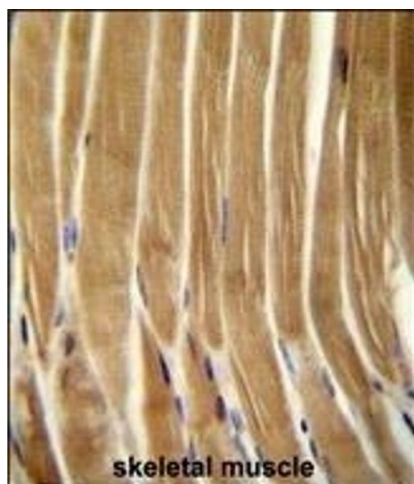
### Flow Cytometry

**Image 1.** CASP5 Antibody (Center) (ABIN654898 and ABIN2844547) flow cytometric analysis of MDA-M cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



### Western Blotting

**Image 2.** Anti-CASP5 Antibody (Center) at 1:2000 dilution + A549 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 50 kDa. Blocking/Dilution buffer: 5 % NFDm/TBST.



### Immunohistochemistry (Paraffin-embedded Sections)

**Image 3.** CASP5 Antibody (Center) (ABIN654898 and ABIN2844547) immunohistochemistry analysis in formalin fixed and paraffin embedded human skeletal muscle followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the CASP5 Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN654898.