

Datasheet for ABIN3030309
anti-CASP5 antibody (AA 162-191)

5 Images

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Overview

Quantity:	0.4 mL
Target:	CASP5
Binding Specificity:	AA 162-191
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CASP5 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Flow Cytometry (FACS)

Product Details

Immunogen:	A portion of amino acids 162-191 from the human protein was used as the immunogen for this Caspase-5 antibody.
Isotype:	Ig Fraction
Purification:	Antigen affinity purified

Target Details

Target:	CASP5
Alternative Name:	Caspase-5 (CASP5 Products)
Background:	<p>This gene encodes a member of the cysteine-aspartic acid protease (caspase) family.</p> <p>Sequential activation of caspases plays a central role in the execution-phase of cell apoptosis.</p> <p>Caspases exist as inactive proenzymes which undergo proteolytic processing at conserved</p>

Target Details

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.

UniProt: [P51878](#)

Pathways: [Inflammasome](#)

Application Details

Application Notes: Titration of the Caspase-5 antibody may be required due to differences in protocols and secondary/substrate sensitivity.\. Western blot: 1:1000,IHC (Paraffin): 1:50-1:100,Flow Cytometry: 1:10-1:50

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: In 1X PBS pH 7.4 with 0.09 % 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: -20 °C

Storage Comment: Aliquot the Caspase-5 antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.



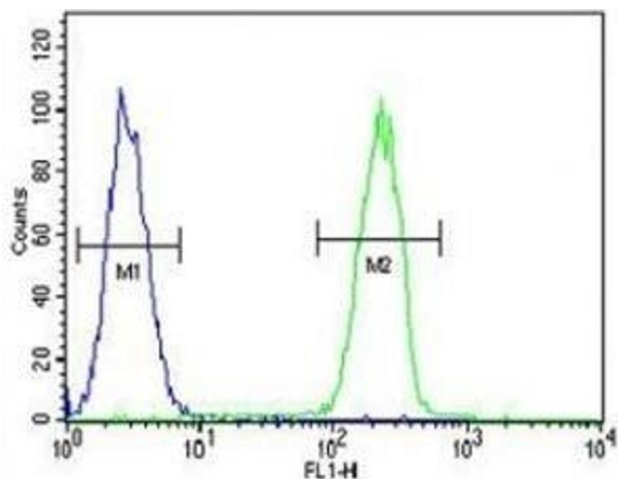
Western Blotting

Image 1. Caspase-5 antibody western blot analysis in MDA-MB231 lysate



Immunohistochemistry

Image 2. Caspase-5 antibody immunohistochemistry analysis in formalin fixed and paraffin embedded human skeletal muscle.



Flow Cytometry

Image 3. Caspase-5 antibody flow cytometric analysis of MDA-MB231 cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary Ab was used for the analysis.

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN3030309.