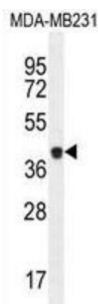
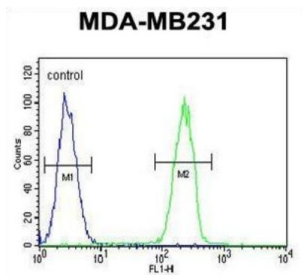


## Caspase 5 (CASP5) Antibody

Catalogue No.: abx026001



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.

|                             |                     |
|-----------------------------|---------------------|
| <b>Target:</b>              | Caspase 5 (CASP5)   |
| <b>Clonality:</b>           | Polyclonal          |
| <b>Reactivity:</b>          | Human               |
| <b>Tested Applications:</b> | ELISA, WB, IHC, FCM |

# Datasheet

Version: 2.0.0  
Revision date: 25 Apr 2025



|                               |  |
|-------------------------------|--|
| <b>Host:</b>                  | Rabbit   |
| <b>Recommended dilutions:</b> | WB: 1/1000, IHC-P: 1/50 - 1/100, FCM: 1/10 - 1/50. Not tested in IHC-F. Optimal dilutions/concentrations should be determined by the end user. |
| <b>Conjugation:</b>           | Unconjugated   |
| <b>Immunogen:</b>             | KLH-conjugated synthetic peptide between 162-191 amino acids from the Central region of human CASP5.   |
| <b>Isotype:</b>               | IgG  |
| <b>Form:</b>                  | Liquid   |
| <b>Purification:</b>          | Purified through a protein A column, followed by peptide affinity purification.  |
| <b>Storage:</b>               | Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.   |
| <b>UniProt Primary AC:</b>    | P51878 ( <a href="#">UniProt</a> , <a href="#">ExPASy</a> )  |
| <b>KEGG:</b>                  | hsa:838  |
| <b>String:</b>                | <a href="#">9606.ENSP00000376849</a>   |
| <b>Molecular Weight:</b>      | Calculated MW: 49.7 kDa  |
| <b>Buffer:</b>                | PBS containing 0.09% sodium azide.   |
| <b>Note:</b>                  | THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.     |