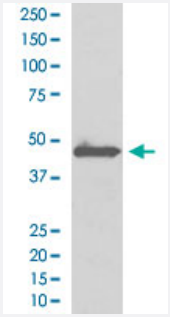
CASP5 monoclonal antibody, clone GOI-3

Catalog # MAB19694 Size 100 uL

Applications



Western Blot (Cell lysate)

Western Blot analysis of HeLa cell lysate with CASP5 monoclonal antibody, clone GOI-3 (Cat # MAB19694).

Specification

Product Description	Rabbit monoclonal antibody raised against synthetic peptide of human CASP5.
Immunogen	A synthetic peptide corresponding to human CASP5.
Host	Rabbit
Theoretical MW (kDa)	49.736
Reactivity	Human
Form	Liquid
Purification	Affinity purification
Isotype	IgG
Recommend Usage	Immunocytochemistry (1:50-1:200) Immunofluorescence (1:50-1:200) Immunohistochemistry (1:50-1:200) Immunoprecipitation (1:50) Western Blot (1:1000-1:2000) The optimal working dilution should be determined by the end user.

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Storage Buffer	In PBS, 150 mM NaCl, pH 7.4 (50% glycerol, 0.02% sodium azide).
Storage Instruction	Store at -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and st ored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Immunohistochemistry
- Immunofluorescence
- Immunocytochemistry
- Immunoprecipitation
- Western Blot (Cell lysate)

  Western Blot analysis of HeLa cell lysate with CASP5 monoclonal antibody, clone GOI-3 (Cat # MAB19694).

Gene Info — CASP5

Entrez GeneID	838
Protein Accession#	P51878
Gene Name	CASP5
Gene Alias	ICE(rel)III, ICEREL-III, ICH-3, MGC141966
Gene Description	caspase 5, apoptosis-related cysteine peptidase
Omim ID	602665
Gene Ontology	Hyperlink

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Gene Summary	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. Several alternatively spliced transcript variants encoding different isoforms have been identified for this gene. [provided by RefSeq
Other Designations	OTTHUMP00000045729|TY protease|caspase 5|caspase 5, apoptosis-related cysteine protease

Disease

- Adenocarcinoma
- Gastrointestinal Stromal Tumors
- Genetic Predisposition to Disease
- Hematologic Diseases
- Hepatitis C
- Hodgkin Disease
- Lung Neoplasms
- Lymphoma
- Lymphoproliferative Disorders
- Multiple Sclerosis
- Occupational Diseases
- Ovarian cancer
- Ovarian Neoplasms
- Prostatic Neoplasms
- Retinoblastoma
- Tobacco Use Disorder
- Waldenstrom Macroglobulinemia

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- Werner syndrome

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