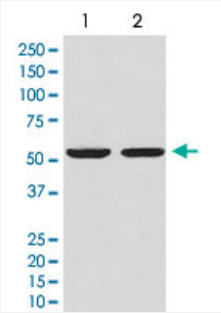
CASP8 monoclonal antibody, clone IB-3

Catalog # MAB19638 Size 100 uL

Applications



Western Blot

Western Blot analysis of (1) Jurkat, (2) HeLa cell lysate.

Specification

Product Description	Rabbit monoclonal antibody raised against synthetic peptide of human CASP8.
Immunogen	A synthetic peptide corresponding to human CASP8.
Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	Affinity purification
Isotype	IgG
Recommend Usage	Immunocytochemistry (1:50-100) Immunofluorescence (1:50-100) Western Blot (1:500-2000) The optimal working dilution should be determined by the end user.
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.

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Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Immunofluorescence
- Immunocytochemistry
- Western Blot

  Western Blot analysis of (1) Jurkat, (2) HeLa cell lysate.

Gene Info — CASP8

Entrez GeneID	841
Protein Accession#	Q14790
Gene Name	CASP8
Gene Alias	ALPS2B, CAP4, FLICE, FLJ17672, MACH, MCH5, MGC78473
Gene Description	caspase 8, apoptosis-related cysteine peptidase
Omim ID	114480 114550 601763 607271
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a member of the cysteine-aspartic acid protease (caspase) family. Sequentia l activation of caspases plays a central role in the execution-phase of cell apoptosis. Caspases e xist as inactive proenzymes composed of a prodomain, a large protease subunit, and a small prot ease subunit. Activation of caspases requires proteolytic processing at conserved internal asparti c residues to generate a heterodimeric enzyme consisting of the large and small subunits. This pr otein is involved in the programmed cell death induced by Fas and various apoptotic stimuli. The N-terminal FADD-like death effector domain of this protein suggests that it may interact with Fas-i nteracting protein FADD. This protein was detected in the insoluble fraction of the affected brain r egion from Huntington disease patients but not in those from normal controls, which implicated the role in neurodegenerative diseases. Many alternatively spliced transcript variants encoding differe nt isoforms have been described, although not all variants have had their full-length sequences det ermined. [provided by RefSeq
Other Designations	FADD-homologous ICE/CED-3-like protease|MACH-alpha-1/2/3 protein|MACH-beta-1/2/3/4 prot ein|Mch5 isoform alpha|OTTHUMP00000163718|OTTHUMP00000163719|OTTHUMP00000163 720|caspase 8|caspase 8, apoptosis-related cysteine protease|cysteine protease|procaspase-8

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Pathway

- Apoptosis
- p53 signaling pathway
- Pathways in cancer
- Toll-like receptor signaling pathway

Disease

- Adenocarcinoma
- Anthracosis
- Asthma
- Brain Neoplasms
- Breast cancer
- Breast Neoplasms
- Bronchial Hyperreactivity
- Carcinoma
- Cardiovascular Diseases
- Clubfoot
- Colorectal Neoplasms
- Diabetes Mellitus
- Disease Progression
- Disease Susceptibility
- Edema
- Endometrial Neoplasms
- Esophageal Neoplasms
- Gallbladder Neoplasms

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- Gastrointestinal Stromal Tumors
- Genetic Predisposition to Disease
- Glioma
- Head and Neck Neoplasms
- Hematologic Diseases
- Hodgkin Disease
- Infertility
- Leukemia
- Lung Neoplasms
- Lymphoma
- Lymphoproliferative Disorders
- Malignant melanoma
- Melanoma
- Meningeal Neoplasms
- Meningioma
- Multiple Myeloma
- Multiple Sclerosis
- Narcolepsy
- Neoplasm Invasiveness
- Neoplasm Metastasis
- Neoplasm Recurrence
- Neoplasms
- Neovascularization
- Neuroma
- Occupational Diseases
- Ovarian cancer

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- Ovarian Neoplasms
- Pancreatic cancer
- Pancreatic Neoplasms
- Prostate cancer
- Prostatic Neoplasms
- Pulmonary Disease
- Skin Neoplasms
- Small Cell Lung Carcinoma
- Urinary Bladder Neoplasms
- Waldenstrom Macroglobulinemia
- Werner syndrome

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