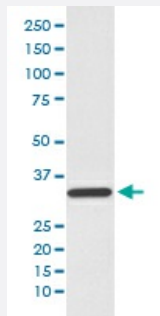


CASP7 monoclonal antibody, clone HOI-3

Catalog # MAB20626 Size 100 uL

Applications



Western Blot (Cell lysate)

Western Blot analysis of Jurkat cell lysate using CASP7 monoclonal antibody, clone HOI-3.

Specification

Product Description Rabbit monoclonal antibody raised against synthetic peptide of human CASP7.

Immunogen A synthetic peptide corresponding to human CASP7.

Host Rabbit

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)
 Western Blot (1:500-1:1000)
 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 stored 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 should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

Western Blot analysis of Jurkat cell lysate using CASP7 monoclonal antibody, clone HOI-3.

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

- Immunocytochemistry

- Immunofluorescence

Gene Info — CASP7

Entrez GeneID[840](#)**Protein Accession#**[P55210](#)**Gene Name**

CASP7

Gene Alias

CMH-1, ICE-LAP3, MCH3

Gene Description

caspase 7, apoptosis-related cysteine peptidase

Omim ID[601761](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

This gene encodes a protein which is 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. The precursor of this caspase is cleaved by caspase 3 and 10. It is activated upon cell death stimuli and induces apoptosis. Alternative splicing results in four transcript variants, encoding three distinct isoforms. [provided by RefSeq]

Other Designations

ICE-like apoptotic protease 3|Lice2 alpha/beta/gamma|OTTHUMP00000020510|OTTHUMP00000020511|OTTHUMP00000020512|OTTHUMP00000020514|apoptotic protease MCH-3|caspase 7|caspase 7 isoform delta|caspase 7, apoptosis-related cysteine protease

Pathway

- [Apoptosis](#)

Disease

- [Adenocarcinoma](#)
- [Alzheimer Disease](#)
- [Amnesia](#)
- [Arthritis](#)
- [Carcinoma](#)
- [Cardiovascular Diseases](#)
- [Cognition Disorders](#)
- [Colorectal Neoplasms](#)
- [Diabetes Mellitus](#)
- [Disease Progression](#)
- [Edema](#)
- [Endometrial Neoplasms](#)
- [Esophageal Neoplasms](#)
- [Gastrointestinal Stromal Tumors](#)
- [Genetic Predisposition to Disease](#)
- [Head and Neck Neoplasms](#)
- [Hematologic Diseases](#)
- [Hodgkin Disease](#)
- [Leukemia](#)
- [Lung Neoplasms](#)
- [Lymphatic Metastasis](#)

- [Lymphoma](#)
- [Lymphoproliferative Disorders](#)
- [Multiple Sclerosis](#)
- [Neoplasm Metastasis](#)
- [Neoplasm Recurrence](#)
- [Neoplasms](#)
- [Neovascularization](#)
- [Neuropsychological Tests](#)
- [Occupational Diseases](#)
- [Prostatic Neoplasms](#)
- [Small Cell Lung Carcinoma](#)
- [Stomach Neoplasms](#)
- [Tobacco Use Disorder](#)
- [Waldenstrom Macroglobulinemia](#)
- [Werner syndrome](#)