

CASP7 monoclonal antibody, clone MCH3 14 1-11

Catalog # MAB1842

Size 100 ug

Specification

Product Description	Mouse monoclonal antibody raised against recombinant CASP7.
Immunogen	Recombinant protein corresponding to human CASP7.
Host	Mouse
Reactivity	Human
Form	Liquid
Isotype	IgG1
Quality Control Testing	Antibody Reactive Against Recombinant Protein.
Recommend Usage	The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.08% sodium azide)
Storage Instruction	Store at -20°C. Aliquot to 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

Gene Info — CASP7

Entrez GeneID	840
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

Publication Reference

- [The endothelial monocyte-activating polypeptide II \(EMAP II\) is a substrate for caspase-7.](#)

Behrendorf HA, van de Craen M, Knies UE, Vandenabeele P, Clauss M.

FEBS Letters 2000 Jan; 466(1):143.

- [Different subcellular distribution of caspase-3 and caspase-7 following Fas-induced apoptosis in mouse liver.](#)

Chandler JM, Cohen GM, MacFarlane M.

The Journal of Biological Chemistry 1998 May; 273(18):10815.

- [Caspases: the executioners of apoptosis.](#)

Cohen GM.

The Biochemical Journal 1997 Aug; 326 (Pt 1):1.

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](#)