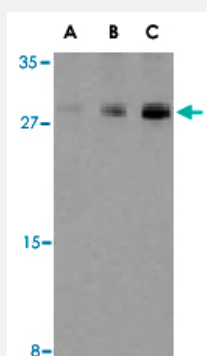


CASP7 polyclonal antibody

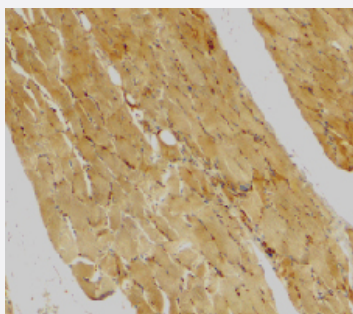
Catalog # PAB13136 Size 100 ug

Applications



Western Blot (Tissue lysate)

Western blot analysis of CASP7 in human skeletal muscle tissue lysate with CASP7 polyclonal antibody (Cat # PAB13136) at (A) 0.5, (B) 1, and (C) 2 ug/mL .



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

Immunohistochemical staining of human skeletal muscle using CASP7 polyclonal antibody (Cat # PAB13136) at 2 ug/mL .

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of CASP7.
Immunogen	A synthetic peptide corresponding to C-terminus 16 amino acids of human CASP7.
Host	Rabbit
Reactivity	Human, Mouse, Rat
Form	Liquid
Recommend Usage	Western Blot (0.5 ug/mL) The optimal working dilution should be determined by the end user.

Storage Buffer	In PBS (0.02% sodium azide)
Storage Instruction	Store at 4°C for three months. For long term storage 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 (Tissue lysate)

Western blot analysis of CASP7 in human skeletal muscle tissue lysate with CASP7 polyclonal antibody (Cat # PAB13136) at (A) 0.5, (B) 1, and (C) 2 ug/mL .

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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

Publication Reference

- [Inflammatory caspases: linking an intracellular innate immune system to autoinflammatory diseases.](#)

Martinon F, Tschopp J.

Cell 2004 May; 117(5):561.

- [Suicidal tendencies: apoptotic cell death by caspase family proteinases.](#)

Wolf BB, Green DR.

The Journal of Biological Chemistry 1999 Jul; 274(29):20049.

- [Identification and mapping of Casp7, a cysteine protease resembling CPP32 beta, interleukin-1 beta converting enzyme, and CED-3.](#)

Juan TS, McNiece IK, Argento JM, Jenkins NA, Gilbert DJ, Copeland NG, Fletcher FA.

Genomics 1997 Feb; 40(1):86.

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](#)
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- [Occupational Diseases](#)
- [Prostatic Neoplasms](#)
- [Small Cell Lung Carcinoma](#)
- [Stomach Neoplasms](#)
- [Tobacco Use Disorder](#)
- [Waldenstrom Macroglobulinemia](#)
- [Werner syndrome](#)