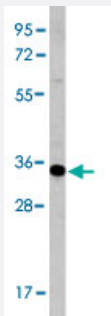


CASP6 polyclonal antibody

Catalog # PAB2445

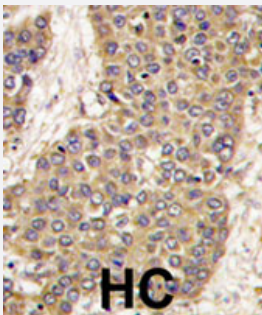
Size 400 uL

Applications



Western Blot (Tissue lysate)

Western blot analysis of CASP6 polyclonal antibody (Cat # PAB2445) in mouse liver tissue lysates (35 ug/lane). CASP6 (arrow) was detected using the purified polyclonal antibody.



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

Formalin-fixed and paraffin-embedded human hepatocellular carcinoma reacted with CASP6 polyclonal antibody (Cat # PAB2445), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of CASP6.
Immunogen	A synthetic peptide (conjugated with KLH) corresponding to C-terminus of human CASP6.
Host	Rabbit
Reactivity	Human, Mouse
Form	Liquid
Purification	Protein A purification

Recommend Usage	Western Blot (1:1000) Immunohistochemistry (1:10-50) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% sodium azide)
Storage Instruction	Store at 4°C. 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)

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Gene Info — CASP6

Entrez GeneID	839
Protein Accession#	NP_001217;P55212
Gene Name	CASP6
Gene Alias	MCH2
Gene Description	caspase 6, apoptosis-related cysteine peptidase
Omim ID	601532
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. This protein is processed by caspases 7, 8 and 10, and is thought to function as a downstream enzyme in the caspase activation cascade. Alternative splicing of this gene results in two transcript variants that encode different isoforms. [provided by RefSeq]

Other Designations

apoptotic protease MCH-2|caspase 6|caspase 6, apoptosis-related cysteine protease

Publication Reference

- [Streptococcus pneumoniae-induced caspase 6-dependent apoptosis in lung epithelium.](#)

Schmeck B, Gross R, N'Guessan PD, Hocke AC, Hammerschmidt S, Mitchell TJ, Rosseau S, Suttorp N, Hippenstiel S.
Infection and Immunity 2004 Sep; 72(9):4940.

Application: WB, Human, A-549 cells

- [Caspases mediate processing of the capsid precursor and cell release of human astroviruses.](#)

Mendez E, Salas-Ocampo E, Arias CF.
Journal of Virology 2004 Aug; 78(16):8601.

- [Apoptotic threshold is lowered by p53 transactivation of caspase-6.](#)

MacLachlan TK, El-Deiry WS.
PNAS 2002 Jun; 99(14):9492.

Pathway

- [Apoptosis](#)

Disease

- [Adenocarcinoma](#)
- [Alcoholism](#)
- [Carcinoma](#)
- [Colorectal Neoplasms](#)
- [Disease Progression](#)
- [Gastrointestinal Stromal Tumors](#)
- [Genetic Predisposition to Disease](#)
- [Hematologic Diseases](#)

- [Hodgkin Disease](#)
- [Lung Neoplasms](#)
- [Lymphatic Metastasis](#)
- [Lymphoma](#)
- [Lymphoproliferative Disorders](#)
- [Neoplasm Metastasis](#)
- [Neoplasms](#)
- [Occupational Diseases](#)
- [Prostatic Neoplasms](#)
- [Small Cell Lung Carcinoma](#)
- [Stomach Neoplasms](#)
- [Waldenstrom Macroglobulinemia](#)
- [Werner syndrome](#)