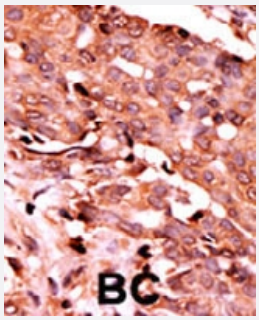
CASP6 (phospho S257) polyclonal antibody

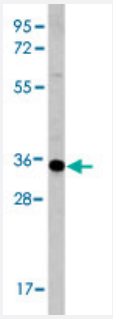
Catalog # PAB0423 Size 400 uL

Applications



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

Formalin-fixed and paraffin-embedded human cancer tissue reacted with CASP6 (phospho S257) polyclonal antibody (Cat # PAB0423) which was peroxidase-conjugated to the secondary antibody followed by AEC staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated. BC = breast carcinoma.



Western Blot (Tissue lysate)

Western blot analysis of CASP6 (phospho S257) polyclonal antibody (Cat # PAB0423) in mouse liver lysates (35 ug/lane). CASP6-pS257 (arrow) was detected using the purified Pab.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic phosphopeptide of CASP6.
Immunogen	Synthetic phosphopeptide (conjugated with KLH) corresponding to residues surrounding S257 of human CASP6.
Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	Protein G purification

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Recommend Usage	Western Blot (1:1000) Immunohistochemistry (1:50-100) 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 shoul d be handled by trained staff only.

Applications

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

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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 apopto sis. Caspases exist as inactive proenzymes which undergo proteolytic processing at conserved a spartic 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 transcri pt variants that encode different isoforms. [provided by RefSeq

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

Publication Reference

- Breaking the connection: caspase 6 disconnects intermediate filament-binding domain of periplakin from its actin-binding N-terminal region.

  Kalinin AE, Kalinin AE, Aho M, Uitto J, Aho S.

  The Journal of Investigative Dermatology 2005 Jan; 124(1):46.

- Regulation of caspase-6 and FLIP by the AMPK family member ARK5.

  Suzuki A, Kusakai G, Kishimoto A, Shimojo Y, Miyamoto S, Ogura T, Ochiai A, Esumi H.

  Oncogene 2004 Sep; 23(42):7067.

- Early N-terminal changes and caspase-6 cleavage of tau in Alzheimer's disease.

  Horowitz PM, Patterson KR, Guillozet-Bongaarts AL, Reynolds MR, Carroll CA, Weintraub ST, Bennett DA, Cryns VL, Berry RW, Binder LI.

  Journal of Neuroscience 2004 Sep; 24(36):7895.

Pathway

- Apoptosis

Disease

- Adenocarcinoma
- Alcoholism
- Carcinoma
- Colorectal Neoplasms
- Disease Progression
- Gastrointestinal Stromal Tumors
- Genetic Predisposition to Disease
- Hematologic Diseases

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- 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

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