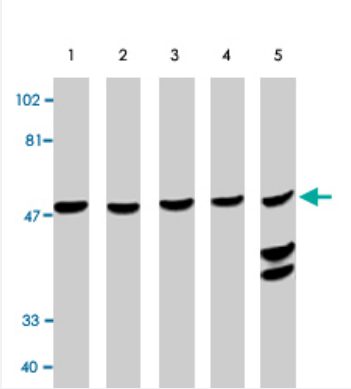
CASP10 polyclonal antibody

Catalog # PAB9819 Size 100 ug

Applications



Western Blot (Cell lysate)

Western blot analysis using CASP10 polyclonal antibody at 0.5 ug/mL on HeLa (lane 1), Jurkat (lane 2), A-431 (lane 3), K-562 (lane 4) and NIH/3T3 (lane 5) whole cell lysates.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of CASP10.
Immunogen	A synthetic peptide corresponding to amino acids 505-521 of human CASP10.
Host	Rabbit
Reactivity	Human, Mouse, Rat
Form	Liquid
Quality Control Testing	Antibody Reactive Against Synthetic Peptide.
Recommend Usage	Western Blot (0.5-1.0 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 -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.

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Gene Info — CASP10

Entrez GeneID	843
Gene Name	CASP10
Gene Alias	ALPS2, FLICE2, MCH4
Gene Description	caspase 10, apoptosis-related cysteine peptidase
Omim ID	137215 601762 603909 605027
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 cleaves and activates caspases 3 and 7, and the protein itself is processed by casp ase 8. Mutations in this gene are associated with apoptosis defects seen in type II autoimmune ly mphoproliferative syndrome. Three alternatively spliced transcript variants encoding different isof orms have been described for this gene. [provided by RefSeq
Other Designations	FADD-like ICE2|Fas-associated death domain protein|ICE-like apoptotic protease 4|apoptotic pr otease MCH-4|caspase 10|caspase 10, apoptosis-related cysteine protease|interleukin-1B-conv erting enzyme 2

Publication Reference

- Caspases: the executioners of apoptosis.

  Cohen GM.

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

- Fas-associated death domain protein interleukin-1beta-converting enzyme 2 (FLICE2), an ICE/Ced-3 homologue, is proximally involved in CD95- and p55-mediated death signaling.

  Vincenz C, Dixit VM.

  The Journal of Biological Chemistry 1997 Mar; 272(10):6578.

  Application: WB-Tr, Human, HEK 293 cells

- In vitro activation of CPP32 and Mch3 by Mch4, a novel human apoptotic cysteine protease containing two FADD-like domains.

  Fernandes-Alnemri T, Armstrong RC, Krebs J, Srinivasula SM, Wang L, Bullrich F, Fritz LC, Trapani JA, Tomaselli KJ, Litwack G, Alnemri ES.

  PNAS 1996 Jul; 93(15):7464.

Pathway

- Apoptosis

Disease

- Adenocarcinoma
- Asthma
- Breast cancer
- Breast Neoplasms
- Bronchial Hyperreactivity
- Carcinoma
- Clubfoot
- Colorectal Neoplasms
- Disease Progression
- Esophageal Neoplasms
- Gastrointestinal Stromal Tumors
- Genetic Predisposition to Disease
- Hematologic Diseases

- Leukemia
- Lung Neoplasms
- Lymphoma
- Malignant melanoma
- Melanoma
- Multiple Myeloma
- Multiple Sclerosis
- Neoplasm Metastasis
- Neoplasms
- Neovascularization
- Occupational Diseases
- Prostatic Neoplasms
- Pulmonary Disease
- Skin Neoplasms
- Small Cell Lung Carcinoma
- Urinary Bladder Neoplasms
- Werner syndrome