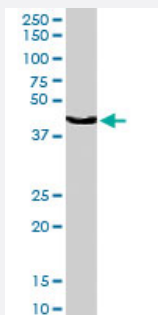


CASP4 polyclonal antibody

Catalog # PAB6681

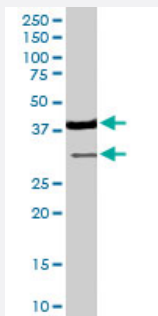
Size 100 ug

Applications



Western Blot (Tissue lysate)

CASP4 polyclonal antibody (Cat # PAB6681) (0.3 ug/mL) staining of human heart lysate (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



Western Blot (Tissue lysate)

CASP4 polyclonal antibody (Cat # PAB6681) (1 ug/mL) staining of human brain lysate (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

Specification

Product Description	Goat polyclonal antibody raised against synthetic peptide of CASP4.
Immunogen	A synthetic peptide corresponding to human CASP4.
Sequence	CKERAEEYPIKERN
Host	Goat
Theoretical MW (kDa)	43.3, 36.7
Reactivity	Human

Specificity	This antibody is expected to recognize all 3 isoforms of CASP4 (alpha, represented by NP_001216, gamma, NP-150649 and delta NP_150650).
Form	Liquid
Purification	Antigen affinity purification
Concentration	0.5 mg/mL
Quality Control Testing	Antibody Reactive Against Synthetic Peptide.
Recommend Usage	ELISA (1:16000) Western Blot (0.3-2 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In Tris saline, pH 7.3 (0.5% BSA, 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 should be handled by trained staff only.

Applications

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- Enzyme-linked Immunoabsorbent Assay

Gene Info — CASP4

Entrez GeneID	837
Protein Accession#	NP_001216;NP_150649;NP_150650
Gene Name	CASP4
Gene Alias	ICE(rel)II, ICEREL-II, ICH-2, Mih1/TX, TX

Gene Description	caspase 4, apoptosis-related cysteine peptidase
Omim ID	602664
Gene Ontology	Hyperlink
Gene Summary	<p>This gene encodes a protein that 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 composed of a prodomain and a large and small protease subunit. Activation of caspases requires proteolytic processing at conserved internal aspartic residues to generate a heterodimeric enzyme consisting of the large and small subunits. This caspase is able to cleave and activate its own precursor protein, as well as caspase 1 precursor. When overexpressed, this gene induces cell apoptosis. Alternative splicing results in transcript variants encoding distinct isoforms. [provided by RefSeq]</p>
Other Designations	apoptotic cysteine protease Mih1/TX caspase 4 caspase 4, apoptosis-related cysteine protease

Publication Reference

- [Molecular cloning and pro-apoptotic activity of ICErelII and ICErelIII, members of the ICE/CED-3 family of cysteine proteases.](#)

Munday NA, Vaillancourt JP, Ali A, Casano FJ, Miller DK, Molineaux SM, Yamin TT, Yu VL, Nicholson DW.

The Journal of Biological Chemistry 1995 Jun; 270(26):15870.

Application: WB-Ce, WB-Ti, Human, Human tissues, THP-1 cells

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