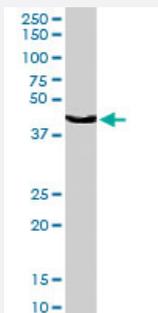


# CASP4 polyclonal antibody

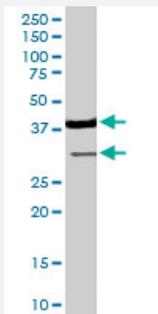
Catalog # PAB6681      Size 100 ug

## 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

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

<b>Specificity</b>	This antibody is expected to recognize all 3 isoforms of CASP4 (alpha, represented by NP_001216, gamma, NP-150649 and delta NP_150650).
<b>Form</b>	Liquid
<b>Purification</b>	Antigen affinity purification
<b>Concentration</b>	0.5 mg/mL
<b>Quality Control Testing</b>	Antibody Reactive Against Synthetic Peptide.
<b>Recommend Usage</b>	ELISA (1:16000) Western Blot (0.3-2 ug/mL) The optimal working dilution should be determined by the end user.
<b>Storage Buffer</b>	In Tris saline, pH 7.3 (0.5% BSA, 0.02% sodium azide)
<b>Storage Instruction</b>	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
<b>Note</b>	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## 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.

- Enzyme-linked Immunoabsorbent Assay

## Gene Info — CASP4

<b>Entrez GeneID</b>	<a href="#">837</a>
<b>Protein Accession#</b>	<a href="#">NP_001216:NP_150649:NP_150650</a>
<b>Gene Name</b>	CASP4
<b>Gene Alias</b>	ICE(rel)II, ICEREL-II, ICH-2, Mih1/TX, TX

<b>Gene Description</b>	caspace 4, apoptosis-related cysteine peptidase
<b>Omim ID</b>	<a href="#">602664</a>
<b>Gene Ontology</b>	<a href="#">Hyperlink</a>
<b>Gene Summary</b>	<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>
<b>Other Designations</b>	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

## Disease

- [Adenocarcinoma](#)
- [Esophageal Neoplasms](#)
- [Gastrointestinal Stromal Tumors](#)
- [Genetic Predisposition to Disease](#)
- [Hematologic Diseases](#)
- [Hodgkin Disease](#)
- [Lymphoma](#)
- [Lymphoproliferative Disorders](#)
- [Occupational Diseases](#)

- [Prostatic Neoplasms](#)
- [Waldenstrom Macroglobulinemia](#)
- [Werner syndrome](#)