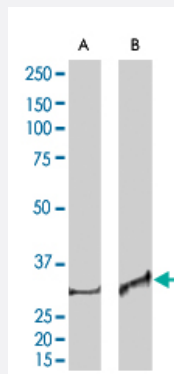


CASP1 polyclonal antibody

Catalog # PAB0811

Size 200 ug

Applications



Western Blot

Human caspase-1 precursor (also designated ICE) , non cross-reactive with caspase-1 p10 or caspase-1 p20.

Specification

Product Description	Rabbit polyclonal antibody raised against a synthetic peptide of CASP1.
Immunogen	A synthetic peptide (conjugated with KLH) corresponding to N-terminus of human CASP1.
Host	Rabbit
Reactivity	Human
Specificity	This antibody reacts with human caspase-1 precursor (also designated ICE), non cross-reactive with caspase-1 p10 or caspase-1 p20.
Form	Liquid
Recommend Usage	The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.2% gelatin, 0.09% sodium azide)
Storage Instruction	Store at 4°C. Do not freeze.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot

Human caspase-1 precursor (also designated ICE) , non cross-reactive with caspase-1 p10 or caspase-1 p20.

Gene Info — CASP1

Entrez GeneID	834
Gene Name	CASP1
Gene Alias	ICE, IL1BC, P45
Gene Description	caspase 1, apoptosis-related cysteine peptidase (interleukin 1, beta, convertase)
Omim ID	147678
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 2 subunits, large and small, that dimerize to form the active enzyme. This gene was identified by its ability to proteolytically cleave and activate the inactive precursor of interleukin-1, a cytokine involved in the processes such as inflammation, septic shock, and wound healing. This gene has been shown to induce cell apoptosis and may function in various developmental stages. Studies of a similar gene in mouse suggest a role in the pathogenesis of Huntington disease. Alternative splicing of this gene results in five transcript variants encoding distinct isoforms. [provided by RefSeq]
Other Designations	CASP1 nirs variant 1 IL1B-convertase caspase 1 caspase 1, apoptosis-related cysteine protease (interleukin 1, beta, convertase) interleukin 1-B converting enzyme interleukin 1-beta convertase

Pathway

- [Amyotrophic lateral sclerosis \(ALS\)](#)

Disease

- [Adenocarcinoma](#)
- [Alzheimer Disease](#)

- [Asthma](#)
- [Bronchiolitis](#)
- [Cardiovascular Diseases](#)
- [Cognition](#)
- [Coronary Artery Disease](#)
- [Diabetes Mellitus](#)
- [Disease Susceptibility](#)
- [Edema](#)
- [Gastrointestinal Stromal Tumors](#)
- [Genetic Predisposition to Disease](#)
- [Hematologic Diseases](#)
- [Hodgkin Disease](#)
- [Infant](#)
- [Inflammation](#)
- [Leukemia](#)
- [Lymphoma](#)
- [Lymphoproliferative Disorders](#)
- [Memory](#)
- [Myocardial Infarction](#)
- [Neovascularization](#)
- [Neuropsychological Tests](#)
- [Occupational Diseases](#)
- [Paratyphoid Fever](#)
- [Prostatic Neoplasms](#)
- [Respiratory Syncytial Virus Infections](#)
- [Typhoid Fever](#)

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