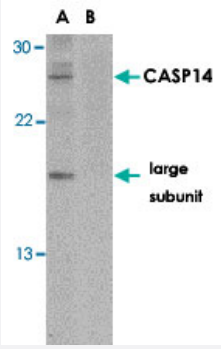
CASP14 polyclonal antibody

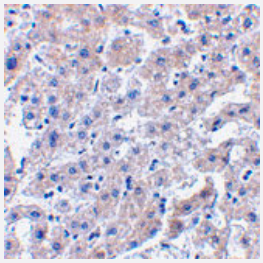
Catalog # PAB12873 Size 100 ug

Applications



Western Blot (Cell lysate)

Western blot analysis of CASP14 in Jurkat cell lysate in the (A) absence or (B) presence of blocking peptide with CASP14 polyclonal antibody (Cat # PAB12873) at 1 ug/mL .



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

Immunohistochemistry of CASP14 in human liver tissue with CASP14 polyclonal antibody (Cat # PAB12873) at 2.5 ug/mL .

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of CASP14.
Immunogen	A synthetic peptide corresponding to C-terminus 16 amino acids of human CASP14.
Host	Rabbit
Reactivity	Human, Mouse, Rat
Form	Liquid
Recommend Usage	Western Blot (1 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 4°C for three months. 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

- Western Blot (Cell lysate)

  Western blot analysis of CASP14 in Jurkat cell lysate in the (A) absence or (B) presence of blocking peptide with CASP14 polyclonal antibody (Cat # PAB12873) at 1 ug/mL .

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

  Immunohistochemistry of CASP14 in human liver tissue with CASP14 polyclonal antibody (Cat # PAB12873) at 2.5 ug/mL .

Gene Info — CASP14

Entrez GeneID	23581
Protein Accession#	NP_033939
Gene Name	CASP14
Gene Alias	MGC119078, MGC119079
Gene Description	caspase 14, apoptosis-related cysteine peptidase
Omim ID	605848
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a member of the cysteine-aspartic acid protease (caspase) family. Sequentia l activation of caspases plays a central role in the execution-phase of cell apoptosis. Caspases e xist as inactive proenzymes which undergo proteolytic processing at conserved aspartic residues to produce two subunits, large and small, that dimerize to form the active enzyme. This caspase h as been shown to be processed and activated by caspase 8 and caspase 10 in vitro, and by anti-Fas agonist antibody or TNF-related apoptosis inducing ligand in vivo. The expression and proce ssing of this caspase may be involved in keratinocyte terminal differentiation, which is important f or the formation of the skin barrier. [provided by RefSeq
Other Designations	apoptosis-related cysteine protease|caspase 14|caspase 14, apoptosis-related cysteine proteas e

Publication Reference

- Inflammatory caspases: linking an intracellular innate immune system to autoinflammatory diseases.

  Martinon F, Tschopp J.

  Cell 2004 May; 117(5):561.

- Interleukin-18.

  Gracie JA, Robertson SE, McInnes IB.

  Journal of Leukocyte Biology 2003 Feb; 73(2):213.

- Altered cytokine export and apoptosis in mice deficient in interleukin-1 beta converting enzyme.

  Kuida K, Lippke JA, Ku G, Harding MW, Livingston DJ, Su MS, Flavell RA.

  Science 1995 Mar; 267(5206):2000.

Disease

- Adenocarcinoma
- Breast cancer
- Breast Neoplasms
- Carcinoma
- Colorectal Neoplasms
- Gastrointestinal Stromal Tumors
- Genetic Predisposition to Disease
- Hematologic Diseases
- Hodgkin Disease
- Liver Neoplasms
- Lung Neoplasms
- Lymphoma
- Lymphoproliferative Disorders
- Occupational Diseases

- Prostatic Neoplasms
- Stomach Neoplasms
- Waldenstrom Macroglobulinemia
- Werner syndrome