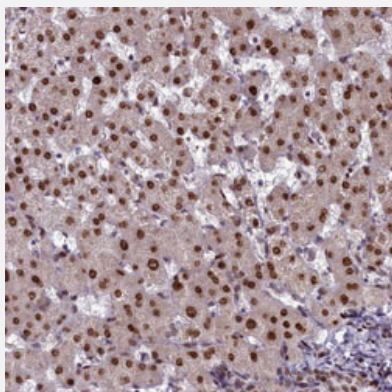


CASP5 polyclonal antibody

Catalog # PAB31235 Size 100 uL

Applications



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

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human liver with CASP5 polyclonal antibody (Cat # PAB31235) shows strong nuclear positivity in hepatocytes.

Specification

Product Description	Rabbit polyclonal antibody raised against partial recombinant human CASP5.
Immunogen	Recombinant protein corresponding to human CASP5.
Sequence	VEGVFIFLIEDSGKKRRKNFEAMFKILQSGLDNFVINHMLKNNVAGQTSIQTLVPNTDQKSTSVK KDNHKKKTVKMLEYLGKDV
Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	Antigen affinity purification
Isotype	IgG
Recommend Usage	Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:20-1:50) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.2 (40% glycerol, 0.02% sodium azide).

Storage Instruction

Store at 4°C for short term storage. 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 should be handled by trained staff only.

Applications

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Gene Info — CASP5

Entrez GeneID[838](#)**Protein Accession#**[P51878](#)**Gene Name**

CASP5

Gene Alias

ICE(rel)III, ICEREL-III, ICH-3, MGC141966

Gene Description

caspase 5, apoptosis-related cysteine peptidase

Omim ID[602665](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

This gene encodes 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 two subunits, large and small, that dimerize to form the active enzyme. Overexpression of the active form of this enzyme induces apoptosis in fibroblasts. Max, a central component of the Myc/Max/Mad transcription regulation network important for cell growth, differentiation, and apoptosis, is cleaved by this protein; this process requires Fas-mediated dephosphorylation of Max. The expression of this gene is regulated by interferon-gamma and lipopolysaccharide. Several alternatively spliced transcript variants encoding different isoforms have been identified for this gene. [provided by RefSeq]

Other Designations

OTTHUMP00000045729|TY protease|caspase 5|caspase 5, apoptosis-related cysteine protease

Disease

- [Adenocarcinoma](#)
- [Gastrointestinal Stromal Tumors](#)
- [Genetic Predisposition to Disease](#)
- [Hematologic Diseases](#)
- [Hepatitis C](#)
- [Hodgkin Disease](#)
- [Lung Neoplasms](#)
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- [Lymphoproliferative Disorders](#)
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- [Ovarian cancer](#)
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- [Retinoblastoma](#)
- [Tobacco Use Disorder](#)
- [Waldenstrom Macroglobulinemia](#)
- [Werner syndrome](#)