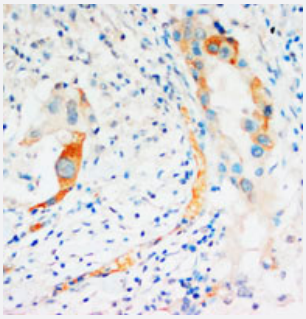
CASP2 polyclonal antibody

Catalog # PAB12286 Size 100 ug

Applications



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

Immunohistochemical staining of CASP2 on formalin fixed, paraffin embedded human mammary cancer with CASP2 polyclonal antibody (Cat # PAB12286).

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of CASP2.
Immunogen	A synthetic peptide corresponding to amino acids at C-terminus of human CASP2.
Host	Rabbit
Reactivity	Human, Mouse, Rat
Specificity	Identical to the related rat sequence.
Form	Lyophilized
Purification	Affinity purification
Isotype	IgG
Recommend Usage	Western Blot (0.5-1 ug/mL) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1-2 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	Lyophilized from 0.9 mg NaCl, 0.2 mg Na_2HPO_4 (5 mg BSA, 0.05 mg sodium azide, 0.05 mg Thimerosal)

Storage Instruction	Store at -20°C on dry atmosphere. After reconstitution with 200 uL of deionized water and concentration will be 500 ug/mL, store at -20° C or lower. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide and thimerosal: POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

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

  Immunohistochemical staining of CASP2 on formalin fixed, paraffin embedded human mammary cancer with CASP2 polyclonal antibody (Cat # PAB12286).

Gene Info — CASP2

Entrez GeneID	835
GeneBank Accession#	BC002427
Protein Accession#	AAH02427
Gene Name	CASP2
Gene Alias	CASP-2, ICH-1L, ICH-1L/1S, ICH1, NEDD2
Gene Description	caspase 2, apoptosis-related cysteine peptidase
Omim ID	600639
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 two subunits, large and small, that dimerize to form the active enzyme. The proteolytic cleavage of this protein is induced by a variety of apoptotic stimuli. Alternative splicing of this gene results in multiple transcript variants that encode different isoforms. [provided by RefSeq
Other Designations	ICH-1 protease|NEDD2 apoptosis regulatory|caspase 2|neural precursor cell expressed, developmentally down-regulated 2

Publication Reference

- The PIDDosome, a protein complex implicated in activation of caspase-2 in response to genotoxic stress.

  Tinel A, Tschopp J.

  Science 2004 May; 304(5672):843.

  Application: WB, Human, HEK 293T, Jurkat cells

- Defects in regulation of apoptosis in caspase-2-deficient mice.

  Bergeron L, Perez GI, Macdonald G, Shi L, Sun Y, Jurisicova A, Varmuza S, Latham KE, Flaws JA, Salter JC, Hara H, Moskowitz MA, Li E, Greenberg A, Tilly JL, Yuan J.

  Genes & Development 1998 May; 12(9):1304.

  Application: WB-Ti, Mouse, Ovary

Disease

- Adenocarcinoma
- Esophageal Neoplasms
- Gastrointestinal Stromal Tumors
- Genetic Predisposition to Disease
- Head and Neck Neoplasms
- Hematologic Diseases
- Hodgkin Disease
- Lymphoma
- Lymphoproliferative Disorders
- Multiple Sclerosis
- Neoplasm Recurrence
- Neoplasms
- Occupational Diseases
- Prostatic Neoplasms

- Waldenstrom Macroglobulinemia
- Werner syndrome