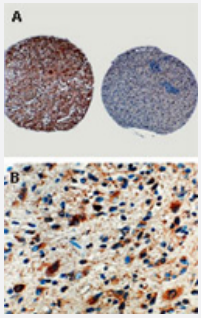
CASP8 polyclonal antibody

Catalog # PAB0247 Size 50 uL

Applications



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

Formalin-fixed, paraffin-embedded sections from a brain tumor tissue array stained for Caspase-8 expression using CASP8 polyclonal antibody (Cat # PAB0247) at 1 : 2000. A. Anaplastic glioma cores from two different patients, positive (left) and negative (right) staining for caspase-8. B. Higher magnification from the caspase-8 positive (A, left) core.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of CASP8.
Immunogen	A synthetic peptide corresponding to human CASP8.
Sequence	PQPTFTLRKKLVFPSD
Host	Rabbit
Reactivity	Gerbils, Human, Mouse, Rat
Form	Liquid
Recommend Usage	The optimal working dilution should be determined by the end user.
Storage Buffer	In serum (0.05% sodium azide)
Storage Instruction	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.

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Applications

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

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- Immunohistochemistry (Frozen sections)

- Immunoprecipitation

Gene Info — CASP8

Entrez GeneID	841
Gene Name	CASP8
Gene Alias	ALPS2B, CAP4, FLICE, FLJ17672, MACH, MCH5, MGC78473
Gene Description	caspase 8, apoptosis-related cysteine peptidase
Omim ID	114480 114550 601763 607271
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 composed of a prodomain, a large protease subunit, and a 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 protein is involved in the programmed cell death induced by Fas and various apoptotic stimuli. The N-terminal FADD-like death effector domain of this protein suggests that it may interact with Fas-interacting protein FADD. This protein was detected in the insoluble fraction of the affected brain region from Huntington disease patients but not in those from normal controls, which implicated the role in neurodegenerative diseases. Many alternatively spliced transcript variants encoding different isoforms have been described, although not all variants have had their full-length sequences determined. [provided by RefSeq
Other Designations	FADD-homologous ICE/CED-3-like protease|MACH-alpha-1/2/3 protein|MACH-beta-1/2/3/4 protein|Mch5 isoform alpha|OTTHUMP00000163718|OTTHUMP00000163719|OTTHUMP00000163720|caspase 8|caspase 8, apoptosis-related cysteine protease|cysteine protease|procaspase-8

Pathway

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- Apoptosis
- p53 signaling pathway
- Pathways in cancer
- Toll-like receptor signaling pathway

Disease

- Adenocarcinoma
- Anthracosis
- Asthma
- Brain Neoplasms
- Breast cancer
- Breast Neoplasms
- Bronchial Hyperreactivity
- Carcinoma
- Cardiovascular Diseases
- Clubfoot
- Colorectal Neoplasms
- Diabetes Mellitus
- Disease Progression
- Disease Susceptibility
- Edema
- Endometrial Neoplasms
- Esophageal Neoplasms
- Gallbladder Neoplasms
- Gastrointestinal Stromal Tumors

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- Genetic Predisposition to Disease
- Glioma
- Head and Neck Neoplasms
- Hematologic Diseases
- Hodgkin Disease
- Infertility
- Leukemia
- Lung Neoplasms
- Lymphoma
- Lymphoproliferative Disorders
- Malignant melanoma
- Melanoma
- Meningeal Neoplasms
- Meningioma
- Multiple Myeloma
- Multiple Sclerosis
- Narcolepsy
- Neoplasm Invasiveness
- Neoplasm Metastasis
- Neoplasm Recurrence
- Neoplasms
- Neovascularization
- Neuroma
- Occupational Diseases
- Ovarian cancer
- Ovarian Neoplasms

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- Pancreatic cancer
- Pancreatic Neoplasms
- Prostate cancer
- Prostatic Neoplasms
- Pulmonary Disease
- Skin Neoplasms
- Small Cell Lung Carcinoma
- Urinary Bladder Neoplasms
- Waldenstrom Macroglobulinemia
- Werner syndrome

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