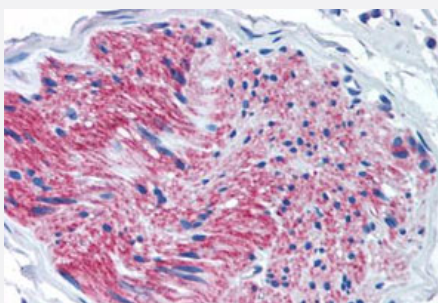


P2RX7 polyclonal antibody

Catalog # PAB27822

Size 50 ug

Applications



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

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) of human pancreas, nerve with P2RX7 polyclonal antibody (Cat # PAB27822). Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of P2RX7.
Immunogen	A synthetic peptide corresponding to 16 amino acid at internal region of human P2RX7.
Host	Rabbit
Reactivity	Human, Monkey
Specificity	BLAST analysis of the peptide immunogen showed no homology with other human proteins, except DDX59 (56%).
Form	Liquid
Purification	Immunoaffinity chromatography
Recommend Usage	Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (10-20 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -80°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

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

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Gene Info — P2RX7

Entrez GeneID [5027](#)

Protein Accession# [Q99572](#)

Gene Name P2RX7

Gene Alias MGC20089, P2X7

Gene Description purinergic receptor P2X, ligand-gated ion channel, 7

Omim ID [151400 602566](#)

Gene Ontology [Hyperlink](#)

Gene Summary The product of this gene belongs to the family of purinoceptors for ATP. This receptor functions as a ligand-gated ion channel and is responsible for ATP-dependent lysis of macrophages through the formation of membrane pores permeable to large molecules. Activation of this nuclear receptor by ATP in the cytoplasm may be a mechanism by which cellular activity can be coupled to changes in gene expression. Multiple alternatively spliced variants which would encode different isoforms have been identified although some fit nonsense-mediated decay (NMD) criteria. [provided by RefSeq]

Other Designations ATP receptor|P2X purinoceptor 7|P2X7 receptor|P2Z receptor|purinergic receptor P2X7

Pathway

- [Calcium signaling pathway](#)
- [Neuroactive ligand-receptor interaction](#)

Disease

- [Agoraphobia](#)
- [Anemia](#)
- [Anxiety Disorders](#)
- [Arthritis](#)
- [Bacteremia](#)
- [Bipolar Disorder](#)
- [Carcinoma](#)
- [Cardiovascular Diseases](#)
- [Chromosome Aberrations](#)
- [Crohn Disease](#)
- [Depressive Disorder](#)
- [Diabetes Complications](#)
- [Diabetes Mellitus](#)
- [Disease Progression](#)
- [Disease Susceptibility](#)
- [Edema](#)
- [Femoral Neck Fractures](#)
- [Fractures](#)
- [Genetic Predisposition to Disease](#)
- [Goiter](#)
- [Hematologic Neoplasms](#)
- [Hip Fractures](#)
- [Hyperparathyroidism](#)
- [Hypertension](#)

- [Leukemia](#)
- [Lung Neoplasms](#)
- [Lupus Erythematosus](#)
- [Multiple Myeloma](#)
- [Osteolysis](#)
- [Osteoporosis](#)
- [Panic Disorder](#)
- [Phobic Disorders](#)
- [Postoperative Complications](#)
- [Prosthesis Failure](#)
- [Pulmonary Disease](#)
- [Recurrence](#)
- [Schizophrenia](#)
- [Sleep Disorders](#)
- [Thyroid Neoplasms](#)
- [Tobacco Use Disorder](#)
- [Tuberculosis](#)
- [Urinary Bladder Neoplasms](#)
- [Werner syndrome](#)