ITPR2 polyclonal antibody

Catalog # PAB6933 Size 100 ug

Specification

Product Description	Goat polyclonal antibody raised against synthetic peptide of ITPR2.
Immunogen	A synthetic peptide corresponding to human ITPR2.
Sequence	C-PIEESNILSPVQD
Host	Goat
Theoretical MW (kDa)	308
Specificity	No cross-reactivity expected with other types of ITPR.
Form	Liquid
Purification	Antigen affinity purification
Concentration	0.5 mg/mL
Quality Control Testing	Antibody Reactive Against Synthetic Peptide.
Recommend Usage	ELISA (1:128000) The optimal working dilution should be determined by the end user.
Storage Buffer	In Tris saline, pH 7.3 (0.5% BSA, 0.02% 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.

Applications

- Enzyme-linked Immunoabsorbent Assay

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Gene Info — ITPR2

Entrez GeneID	3709
Protein Accession#	NP_002214.2
Gene Name	ITPR2
Gene Alias	IP3R2
Gene Description	inositol 1,4,5-triphosphate receptor, type 2
Omim ID	600144
Gene Ontology	Hyperlink
Gene Summary	inositol 1
Other Designations	-

Publication Reference

- IP3 receptor types 2 and 3 mediate exocrine secretion underlying energy metabolism.

  Futatsugi A, Nakamura T, Yamada MK, Ebisui E, Nakamura K, Uchida K, Kitaguchi T, Takahashi-Iwanaga H, Noda T, Aruga J, Mikoshiba K.

  Science 2005 Sep; 309(5744):2232.

  Application: WB-Ti, Mouse, Pancreas, Submandibular gland

Pathway

- Calcium signaling pathway
- Gap junction
- GnRH signaling pathway
- Long-term depression
- Long-term potentiation
- Phosphatidylinositol signaling system

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- Vascular smooth muscle contraction

Disease

- Amyotrophic lateral sclerosis
- Asthma
- Cardiovascular Diseases
- Diabetes Mellitus
- Edema
- Genetic Predisposition to Disease
- Tobacco Use Disorder

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