

ITPR1 monoclonal antibody (M01), clone 2B6

Catalog # H00003708-M01

Size 100 ug

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant ITPR1.
Immunogen	ITPR1 (NP_002213, 2470 a.a. ~ 2577 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	EHTCETLLMCMTVLSHGLRSGGGVGDVLRKPSKEEPLFAARVYDLLFFFMVIIVLNLIFGVIIDTFA DLRSEKQKKEEILKTTTCFICGLERDKFDNKTVTFEEDI
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (100); Rat (100)
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- ELISA

Gene Info — ITPR1

Entrez GeneID	3708
GeneBank Accession#	NM_002222

Protein Accession#	NP_002213
Gene Name	ITPR1
Gene Alias	INSP3R1, IP3R, IP3R1, SCA15, SCA16
Gene Description	inositol 1,4,5-triphosphate receptor, type 1
Omim ID	147265 606658
Gene Ontology	Hyperlink
Gene Summary	inositol 1
Other Designations	-

Publication Reference

- [Microdomains of muscarinic acetylcholine and Ins\(1,4,5\)P₃ receptors create 'Ins\(1,4,5\)P₃ junctions' and sites of Ca²⁺ wave initiation in smooth muscle.](#)

Olson ML, Sandison ME, Chalmers S, McCarron JG.

Journal of Cell Science 2012 Nov; 125(Pt 22):5315.

Application: IF, WB-Ce, Mouse, Smooth muscle cells

Pathway

- [Calcium signaling pathway](#)
- [Gap junction](#)
- [GnRH signaling pathway](#)
- [Long-term depression](#)
- [Long-term potentiation](#)
- [Phosphatidylinositol signaling system](#)
- [Vascular smooth muscle contraction](#)

Disease

- [Asthma](#)

- [Genetic Predisposition to Disease](#)
- [Thyroid Neoplasms](#)
- [Tobacco Use Disorder](#)