

Anti-IP3 receptor Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

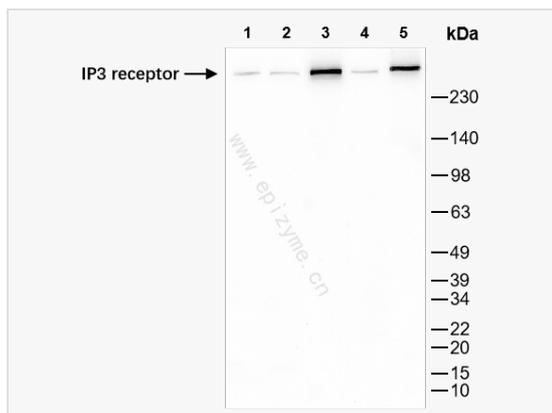
Catalog # R016079

Product Information

Application	WB, ELISA
Reactivity	Human, Mouse, Rat
Dilution	WB 1:1,000~1:3,000
Host	Rabbit
Clonality	Monoclonal
Clone No.	84N21C14
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from human IP3 receptor
Format	Affinity purified monoclonal antibody supplied in PBS with 0.02% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-IP3 receptor Rabbit mAb [84N21C14] is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Synonyms	ACV; CLA4; INSP3R1; IP3R; IP3R1; PPP1R94; SCA15; SCA16; SCA29; D6Pas2; Gm10429; IP3R 1; InsP3R; Itpr-1; P400; Pcp-1; Pcp1; opt; wblo; I145TR; ITPR1_HUMAN; ITPR1; IP3 receptor isoform 1 (IP3R 1 InsP3R1); Inositol 1,4,5 trisphosphate receptor; Inositol 1,4,5-trisphosphate receptor type 1; Type 1 inositol 1,4,5-trisphosphate receptor (Type 1 InsP3 receptor); ITPR1_MOUSE; Inositol 1,4,5-trisphosphate-binding protein P400; Protein PCD-6; Purkinje cell protein 1; Pcd6; ITPR1_RAT; Inositol 1,4,5-trisphosphate receptor (IP-3-R).
Calculated MW	Calculated MW: 314 kDa; Observed MW: 314 kDa
Uniprot ID	Q14643
Gene ID	3708
Background	This gene encodes an intracellular receptor for inositol 1,4,5-trisphosphate. Upon stimulation by inositol 1,4,5-trisphosphate, this receptor mediates calcium release from the endoplasmic reticulum. Mutations in this gene cause spinocerebellar ataxia type 15, a disease associated with a heterogeneous group of cerebellar disorders. Multiple transcript variants have been identified for this gene. [provided by RefSeq, Nov 2009]
Cellular Location	Endoplasmic reticulum membrane Multi-pass membrane protein Cytoplasmic vesicle Secretory vesicle membrane Multi-pass membrane protein Cytoplasm Perinuclear region Found in a complex with HSPA9 and VDAC1 at the endoplasmic reticulum-mitochondria contact sites.
Tissue Location	Widely expressed.



Western Blot - Anti-IP3 receptor Rabbit mAb [84N21C14]

All lanes: R016079 at 1:3,000 dilution

Lane 1: HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysates

Lane 2: U87 (Human malignant glioblastoma epithelial cells) whole cell lysates

Lane 3: Mouse brain whole tissue lysates

Lane 4: PC-12 (Rat adrenal pheochromocytoma epithelial cell) whole cell lysates

Lane 5: Rat brain whole tissue lysates

Lysates/proteins at 10 μ g per lane.

Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution

Predicted band size: 314 kDa

Observed band size: 314 kDa

Developed using the ECL technique (Cat. No. SQ201).