EPN2 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	EPN2, Polyclonal Antibody
Full Product Name	EPN2 Antibody
Product Gene Name	anti-EPN2 antibody
Product Synonym Names	EPN2; EPS-15 interacting protein 2; KIAA1065
Clonality	Polyclonal
Isotype	Rabbit IgG
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Form/Format	Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purity/Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Specificity	The antibody detects endogenous levels of total EPN2 protein.
Preparation and Storage	Store at 4 degree C short term. Aliquot and store at -20 degree C long term. Avoid freeze/thaw cycles.
Molecular Weight	68,482 Da
Chromosome Location	Chromosome: 17; NC_000017.10 (19140690..19240028). Location: 17p11.2
OMIM	607263
3D Structure	ModBase 3D Structure for O95208
Immunogen	Synthesized peptide derived from internal of human EPN2.
Product Categories/Family for anti-EPN2 antibody	Primary Antibody
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-EPN2 antibody	Western Blot (WB)
Application Notes for anti-EPN2 antibody	WB: 1:500~1:3000
Related Product Information for anti-EPN2 antibody	MBS8588249 is an antibody targeting EPN2. Also known as EPN2 Antibody. Reactive in Human, Mouse, Rat. Host: Rabbit. Plays a role in the formation of clathrin-coated invaginations and endocytosis.
Product References and Citations for anti-EPN2 antibody	Rosenthal J.A., J. Biol. Chem. 274:33959-33965 (1999).Kikuno R., DNA Res. 6:197-205 (1999).Ota T., Nat. Genet. 36:40-45 (2004)
Other Notes	Small volumes of anti-EPN2 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for EPN2. It may not necessarily be applicable to this product.

NCBI GI #	156671215
NCBI GeneID	22905
NCBI Accession #	NP_055779.2
UniProt Primary Accession #	O95208
UniProt Secondary Accession #	O95207; Q9H7Z2; Q9UPT7
UniProt Related Accession #	O95208
GenBank Nucleotide #	NM_014964.4
NCBI Official Full Name	epsin-2 isoform b
NCBI Official Synonym Full Names	epsin 2
NCBI Official Symbol	EPN2
NCBI Official Synonym Symbols	EHB21
UniProt Protein Name	Epsin-2
UniProt Synonym Protein Names	EPS-15-interacting protein 2
UniProt Gene Name	EPN2
UniProt Synonym Gene Names	KIAA1065
UniProt Entry Name	EPN2_HUMAN
NCBI Protein Information	epsin-2; Eps15 binding protein; EPS-15-interacting protein 2
NCBI Summary for EPN2	This gene encodes a protein which interacts with clathrin and adaptor-related protein complex 2, alpha 1 subunit. The protein is found in a brain-derived clathrin-coated vesicle fraction and localizes to the peri-Golgi region and the cell periphery. The protein is thought to be involved in clathrin-mediated endocytosis. Alternate splicing of this gene results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jul 2008]
UniProt Comments for EPN2	epsin 2: Plays a role in the formation of clathrin-coated invaginations and endocytosis. Belongs to the epsin family. 3 isoforms of the human protein are produced by alternative splicing. Protein type: Vesicle Chromosomal Location of Human Ortholog: 17p11.2 Cellular Component: nucleoplasm; Golgi apparatus; intracellular membrane-bound organelle Molecular Function: lipid binding Biological Process: Notch signaling pathway; in utero embryonic development; embryonic organ development; endocytosis
Research Articles on EPN2	**1.** Clinical trial of gene-disease association and gene-environment interaction. (HuGE Navigator)
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