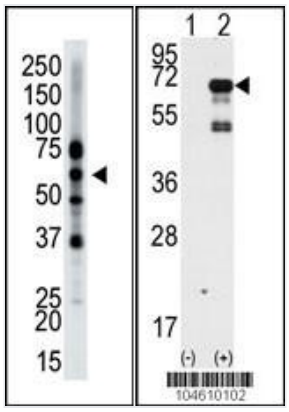
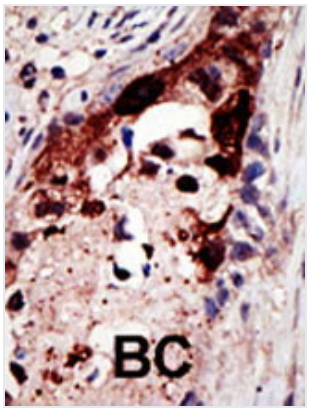
Epsin2 (EPN2) Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	Epsin2 (EPN2), Polyclonal Antibody
Full Product Name	Epsin2, NT (Epsin 2, EPS-15 Interacting Protein 2, EPN2, KIAA1065) (Azide free) (HRP)
Product Gene Name	anti-EPN2 antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Horseradish Peroxidase (HRP).
Purity/Purification	Purified by Protein G Affinity Chromatography.
Specificity	Recognizes human Epsin2. Species Crossreactivity: mouse.
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and store at -20 degree C. Aliquots are stable at -20 degree C for 12 months after receipt. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Note: Sodium azide is a potent inhibitor of peroxidase and should not be added to HRP conjugates. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.
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	Synthetic peptide selected from the N-terminal region of human Epsin2 (KLH).
Conjugate	HRP
Note	Preservative Free
Product Categories/Family for anti-EPN2 antibody	Antibodies; Proteins
Applications Tested/Suitable for anti-EPN2 antibody	Immunohistochemistry (IHC), ELISA (EIA), Western Blot (WB)
Application Notes for anti-EPN2 antibody	IHC: 1:50-1:100 ELISA: 1:1,000 WB: 1:100-1:500 Applications are based on unconjugated antibody.
Related Product Information for anti-EPN2 antibody	MBS6474689 is an antibody targeting EPN2. Also known as Epsin2, NT (Epsin 2, EPS-15 Interacting Protein 2, EPN2, KIAA1065) (Azide free) (HRP). Reactive in Human, Mouse. Host: Rabbit.
Product References and Citations for anti-EPN2 antibody	1. Ota, T., et al., Nat. Genet. 36(1):40-45 (2004). 2. Kikuno, R., et al., DNA Res. 6(3):197-205 (1999). 3. Rosenthal, J.A., et al., J. Biol. Chem. 274(48):33959-33965 (1999).
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.



Western Blot (WB) of anti-EPN2 antibody
The anti-Epsin2 Pab is used in Western blot to detect Epsin2 in mouse brain tissue lysate.



Immunohistochemistry (IHC) of anti-EPN2 antibody
Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by AEC staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated. BC = breast carcinoma; HC = hepatocarcinoma.

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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