

Rabbit EPN2 Polyclonal Antibody | anti-EPN2 antibody

EPN2 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA321186	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

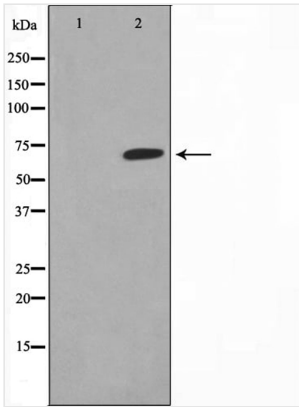
PRODUCT SYNONYMS

EPN2; Polyclonal Antibody; EPN2 Antibody; EHB21; EPN 2; Epn2; EPN2_HUMAN; EPS 15 interacting protein 2; EPS-15-interacting protein 2; Eps15 binding protein; Epsin 2; Epsin-2; Epsin2; KIAA1065; OTTHUMP00000065808; OTTHUMP00000065809; OTTHUMP00000065810; OTTHUMP00000065811; OTTHUMP00000065889; anti-EPN2 antibody

PRODUCT SPECIFICATIONS

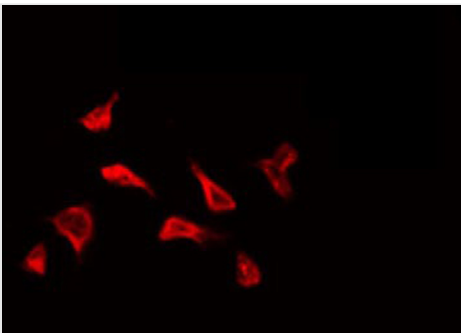
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	EPN2 antibody detects endogenous levels of EPN2
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	356
Applicable Applications for anti-EPN2 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide derived from human EPN2
Subcellular Location	Cytoplasm. Cytoplasmic Vesicle > Clathrin-Coated Vesicle. In punctate structures throughout the cell, associated with clathrin-coated vesicles, and particularly concentrated in the region of the golgi complex.
Tissue Specificity	Highest expression is found in brain. Detected at lower levels in lung and liver.
Predicted Cross Reactivity	Pig, Bovine, Sheep, Rabbit, Dog
Similarity	Pig (83%), Bovine (83%), Sheep (83%), Rabbit (92%), Dog (91%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)

Western blot analysis on HepG2 cell lysate using EPN2 Antibody. The lane on the left is treated with the antigen-specific peptide.



IF (Immunofluorescence)

AAA321186 staining HepG2 by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-EPN2 antibody

Description: 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 two transcript variants encoding different isoforms.

Function: Plays a role in the formation of clathrin-coated invaginations and endocytosis.

Subunit Structure: Binds EPS15 (By similarity). Interacts with ITSN1 (By similarity). Binds AP-2 and clathrin. Interacts with UBQLN2.

Post-translational Modifications: Ubiquitinated.

Similarity: The NPF repeat domain is involved in EPS15 binding. The DPW repeat domain is involved in AP-2 and clathrin binding. Belongs to the epsin family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	156671219
NCBI GeneID	22905
NCBI Accession #	NP_001096134.1
NCBI GenBank Nucleotide #	NM_001102664.1
UniProt Accession #	O95208; O95207; Q52LD0; Q9H7Z2; Q9UPT7; A8MTV8; B3KRX8; E9PBC2
Molecular Weight	Observed: 68 kDa Predicted: 69 kDa
NCBI Official Full Name	epsin-2 isoform c
NCBI Official Synonym Full Names	epsin 2
NCBI Official Symbol	EPN2
NCBI Official Synonym Symbols	EHB21
NCBI Protein Information	epsin-2
UniProt Protein Name	Epsin-2
UniProt Gene Name	EPN2
UniProt Synonym Gene Names	KIAA1065

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/polyclonal/epr2-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/321186>