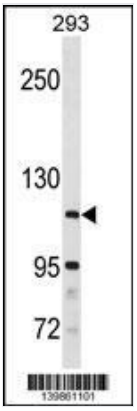
SH3BP4 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	SH3BP4, Polyclonal Antibody
Full Product Name	SH3BP4, ID (SH3BP4, BOG25, EHB10, TTP, SH3 domain-binding protein 4, EH-binding protein 10, Transferrin receptor-trafficking protein) (PE)
Product Gene Name	anti-SH3BP4 antibody
Product Synonym Names	SH3BP4; BOG25; EHB10; TTP; SH3 domain-binding protein 4; EH-binding protein 10; Transferrin receptor-trafficking protein
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with R-Phycoerythrin (PE).
Purity/Purification	Purified by Protein A Affinity Chromatography.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: PE conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	60,337 Da
OMIM	605611
3D Structure	ModBase 3D Structure for Q9P0V3
Immunogen	SH3BP4 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 401-429 amino acids from the Central region of human SH3BP4.
Conjugate	PE
Note	Preservative Free
Special Handling	Light sensitive
Product Categories/Family for anti-SH3BP4 antibody	Antibodies; Binding Proteins
Applications Tested/Suitable for anti-SH3BP4 antibody	Western Blot (WB), FLISA
Application Notes for anti-SH3BP4 antibody	WB: 1:100-500 FLISA: 1:1,000 Applications are based on unconjugated antibody.
Related Product Information for anti-SH3BP4 antibody	This gene encodes a protein with 3 Asn-Pro-Phe (NPF) motifs, an SH3 domain, a PXXP motif, a bipartite nuclear targeting signal, and a tyrosine phosphorylation site. This protein is involved in cargo-specific control of clathrin-mediated endocytosis, specifically controlling the internalization of a specific protein receptor.
Product References and Citations for anti-SH3BP4 antibody	Sebastiani, P., et al. Science (2010). In press: Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010): Thalappilly, S., et al. Proteomics 8(15):3071-3081(2008). Ewing, R.M., et al. Mol. Syst. Biol. 3, 89 (2007): Olsen, J.V., et al. Cell 127(3):635-648(2006).

Other Notes	Small volumes of anti-SH3BP4 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.
Searchable Terms for SH3BP4 purchase	MBS6347251 is an antibody targeting SH3BP4. Also known as SH3BP4, ID (SH3BP4, BOG25, EHB10, TTP, SH3 domain-binding protein 4, EH-binding protein 10, Transferrin receptor-trafficking protein) (PE). Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-SH3BP4 antibody
SH3BP4 Antibody (Center) western blot analysis in 293 cell line lysates (35ug/lane).This demonstrates the SH3BP4 antibody detected the SH3BP4 protein (arrow).

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for SH3BP4. It may not necessarily be applicable to this product.

NCBI GI #	7657562
NCBI GeneID	23677
NCBI Accession #	NP_055336.1
UniProt Primary Accession #	Q9P0V3
UniProt Secondary Accession #	O95082; Q309A3; Q53QD0; Q53TD1
UniProt Related Accession #	Q9P0V3
GenBank Nucleotide #	NM_014521.2
NCBI Official Full Name	SH3 domain-binding protein 4
NCBI Official Synonym Full Names	SH3-domain binding protein 4
NCBI Official Symbol	SH3BP4
NCBI Official Synonym Symbols	TTP; BOG25
UniProt Protein Name	SH3 domain-binding protein 4
UniProt Synonym Protein Names	EH-binding protein 10; Transferrin receptor-trafficking protein
Protein Family	SH3 domain-binding protein
UniProt Gene Name	SH3BP4
UniProt Synonym Gene Names	BOG25; EHB10; TTP
UniProt Entry Name	SH3B4_HUMAN
NCBI Protein Information	SH3 domain-binding protein 4; EH-binding protein 10; transferrin receptor-trafficking protein

UniProt Comments for SH3BP4	SH3BP4: Functions in transferrin receptor internalization at the plasma membrane through a cargo-specific control of clathrin- mediated endocytosis. 2 isoforms of the human protein are produced by alternative splicing. Protein type: Vesicle; Cell cycle regulation Chromosomal Location of Human Ortholog: 2q37.1-q37.2 Cellular Component: clathrin-coated vesicle; cytoplasm; coated pit; nucleus Molecular Function: identical protein binding; protein binding; Ras GTPase binding; GDP-dissociation inhibitor activity Biological Process: negative regulation of cell proliferation; negative regulation of TOR signaling pathway; regulation of catalytic activity; endocytosis; negative regulation of cell growth; positive regulation of autophagy; amino acid import
Research Articles on SH3BP4	**1.** SH3BP4 is a negative regulator of the Rag GTPase complex and amino acid-dependent mTORC1 signaling.
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