



# SH3B4 Polyclonal Antibody

<b>Catalog No</b>	BYab-06176
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human;Rat;Mouse
<b>Applications</b>	WB;ELISA
<b>Gene Name</b>	SH3BP4 BOG25 EHB10 TTP
<b>Protein Name</b>	SH3 domain-binding protein 4 (EH-binding protein 10) (Transferrin receptor-trafficking protein)
<b>Immunogen</b>	Synthesized peptide derived from part region of human protein around amino acid site 145
<b>Specificity</b>	SH3B4 Polyclonal Antibody detects endogenous levels of protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
<b>Source</b>	Polyclonal, Rabbit,IgG
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Dilution</b>	WB 1:500-2000 ELISA 1:5000-20000
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	
<b>Observed Band</b>	105kD
<b>Cell Pathway</b>	Membrane, clathrin-coated pit. Cytoplasmic vesicle, clathrin-coated vesicle. Nucleus . Specifically associated with transferrin receptor-containing clathrin-coated pits and clathrin-coated vesicles. May also localize to the nucleus.
<b>Tissue Specificity</b>	Expressed in all tissues tested with higher expression in pancreas. Expressed by retinal pigment epithelial cells (at protein level).
<b>Function</b>	domain:The SH3 domain mediates localization to the clathrin-coated pits and vesicles. The SH3 domain mediates interaction with DNM2 and the cytoplasmic part of TFRC with a lower affinity.,function:Functions in transferrin receptor internalization at the plasma membrane through a cargo-specific control of clathrin-mediated endocytosis.,miscellaneous:Overexpression or depletion of SH3BP4 result in a specific decrease of the transferrin receptor endocytosis that can be rescued by DNM2 overexpression.,PTM:Phosphorylated upon EGF stimulation. Phosphorylation prevents interaction with DNM2.,similarity:Contains 1 SH3 domain.,subcellular location:Specifically associated with transferrin

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receptor-containing clathrin-coated pits and clathrin-coated vesicles. May also localize to the nucleus.,subunit:Homodimer or homooligomer. Interacts with DNM2, EPS15, clathrin, the adapter protein complex 2/AP-2

**Background**

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. [provided by RefSeq, Jul 2008],

**matters needing attention**

Avoid repeated freezing and thawing!

**Usage suggestions**

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

**Products Images**