SH3B4 Polyclonal Antibody

Catalog No	YP-Ab-06176
Isotype	IgG
Reactivity	Human;Rat;Mouse
Applications	WB;ELISA
Gene Name	SH3BP4 BOG25 EHB10 TTP
Protein Name	SH3 domain-binding protein 4 (EH-binding protein 10) (Transferrin receptor-trafficking protein)
Immunogen	Synthesized peptide derived from part region of human protein around amino acid site 145
Specificity	SH3B4 Polyclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000 ELISA 1:5000-20000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	
Observed Band	105kD
Cell Pathway	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.
Tissue Specificity	Expressed in all tissues tested with higher expression in pancreas. Expressed by retinal pigment epithelial cells (at protein level).
Function	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 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.

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