



## Rabbit Anti-SH3BP4 antibody

SL19751R

<b>Product Name:</b>	SH3BP4
<b>Chinese Name:</b>	SH3结构域Binding protein4抗体
<b>Alias:</b>	BOG25; EH binding protein; EH binding protein 10; EH-binding protein 10; EHB10; SH3 domain binding protein 4; SH3 domain-binding protein 4; SH3B4_HUMAN; sh3bp4; Transferrin receptor trafficking protein; Transferrin receptor-trafficcking protein; TTP.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Cow,Horse,
<b>Applications:</b>	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	107kDa
<b>Cellular localization:</b>	The nucleuscytoplasmicThe cell membrane
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human SH3BP4:561-660/963
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	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]

**Function:**

Functions in transferrin receptor internalization at the plasma membrane through a cargo-specific control of clathrin-mediated endocytosis.

**Subcellular Location:**

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).

**Post-translational modifications:**

Phosphorylated upon EGF stimulation. Phosphorylation prevents interaction with DNM2.

**Similarity:**

Contains 1 SH3 domain.

**SWISS:**

Q9P0V3

**Gene ID:**

516777

**Database links:**

[Entrez Gene: 520462](#) Cow

[Entrez Gene: 486172](#) Dog

[Entrez Gene: 100730563](#) Guinea pig

[Entrez Gene: 100065797](#) Horse

[Entrez Gene: 23677](#) Human

[Entrez Gene: 98402](#) Mouse

[Entrez Gene: 100347097](#) Rabbit

[Entrez Gene: 64634](#) Rat

[Omim: 605611](#) Human

[SwissProt: Q9P0V3](#) Human

[SwissProt: Q921I6](#) Mouse

[SwissProt: Q9JJS5](#) Rat

[Unigene: 516777](#) Human

[Unigene: 170983](#) Mouse

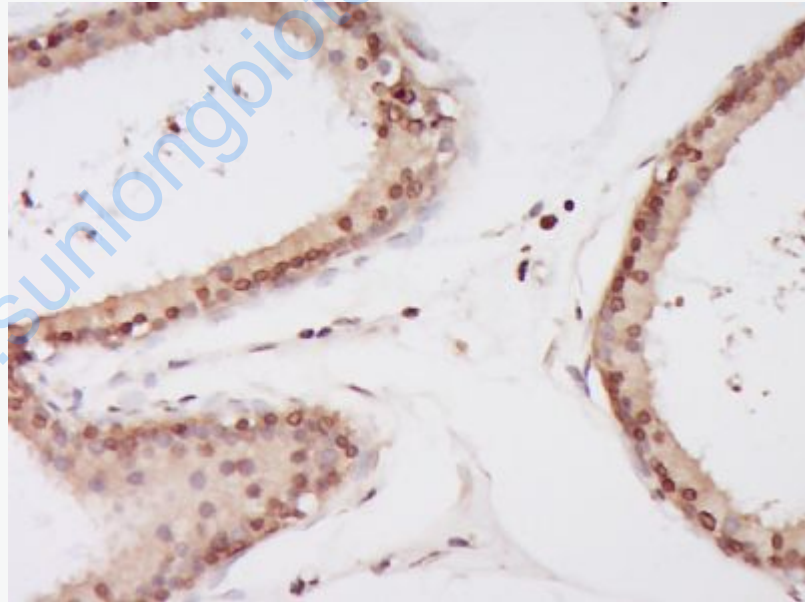
[Unigene: 35396](#) Rat

[Unigene: 36062](#) Rat

**Important Note:**

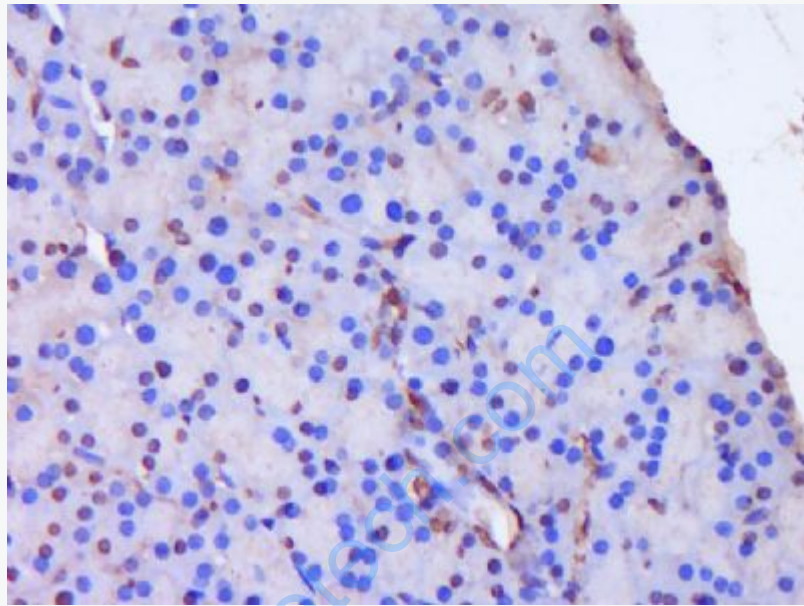
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**Picture:**

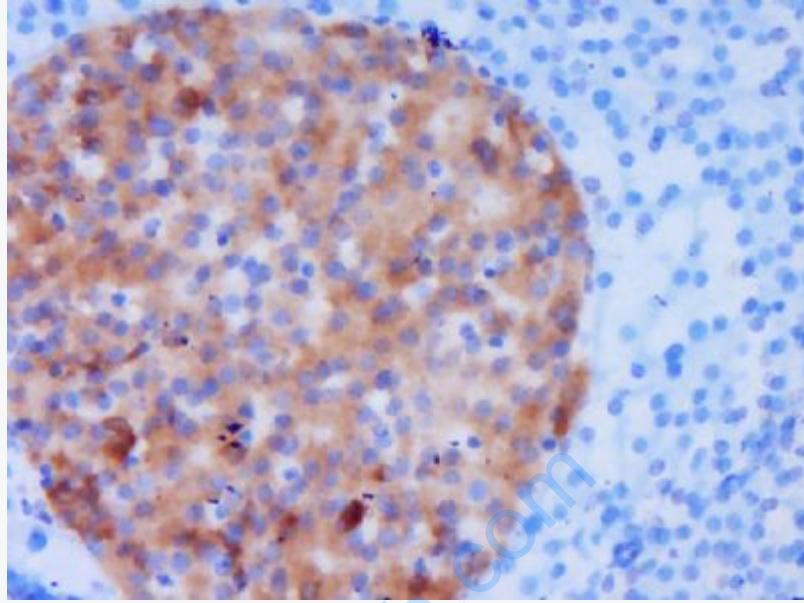


Paraformaldehyde-fixed, paraffin embedded (Rat prostate); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (SH3BP4) Polyclonal Antibody, Unconjugated (SL19751R) at 1:400 overnight at 4°C, followed by operating according to SP

Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (Rat pancreas); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (SH3BP4) Polyclonal Antibody, Unconjugated (SL19751R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (Mouse pancreas); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (SH3BP4) Polyclonal Antibody, Unconjugated (SL19751R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.