

Datasheet for 600-401-EH7**SH3BP4 Antibody****Overview**

Description:	Anti-SH3BP4 (RABBIT) Antibody - 600-401-EH7
Item No.:	600-401-EH7
Size:	100 µg
Applications:	ELISA, IHC, WB
Reactivity:	Human, Mouse, Rat
Host Species:	Rabbit

Product Details

Background:	SH3BP4 was initially isolated as a novel cDNA using differential display analysis using cultured human corneal fibroblasts. The protein contains three Asn-Pro-Phe (NPF) motifs, an SH3 domain, a PXXP motif, a bipartite nuclear targeting signal, and a tyrosine phosphorylation site. SH3BP4 has been shown to interact with specific endocytic proteins such as clathrin, dynamin, and the transferrin receptor (TfR) and localizes to TfR-containing coated pits and vesicles. It is thought to be involved in cargo-specific control of clathrin-mediated endocytosis, specifically controlling the internalization of TfR. At least two isoforms of SH3BP4 are known to exist.
Synonyms:	SH3BP4 Antibody, TTP, BOG25, EHB10, TTP, SH3 domain-binding protein 4, EH-binding protein 10
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	SH3BP4
Reactivity:	Human, Mouse, Rat
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-SH3BP4 antibody was prepared from whole rabbit serum produced by repeated immunizations with an 18 amino acid synthetic peptide from near the C-terminus of human SH3BP4.

Purity/Specificity: Anti-SH3BP4 Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. Cross reactivity with SH3BP4 from other sources has not been determined.

Relevant Links:

- [UniProtKB - Q9P0V3](#)
- [GeneID - 23677](#)
- [NCBI - NP_055336](#)

Application Details

Tested Applications: ELISA, IHC, WB

Application Note: Anti-SH3BP4 Antibody has been tested for use in ELISA, Western Blotting, and Immunohistochemistry. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 107 kDa in Western Blots of specific cell lysates and tissues.

Assay Dilutions: All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.

ELISA: 1:10,000 - 1:20,000

IHC: 5 µg/mL

WB: 1-2 µg/mL

Formulation

Physical State: Liquid (sterile filtered)

Concentration: 1 mg/mL by UV absorbance at 280 nm

Buffer: 0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2

Preservative: 0.02% (w/v) Sodium Azide

Stabilizer: None

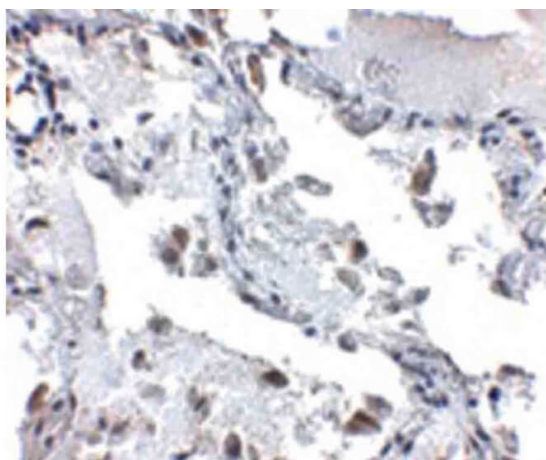
Shipping & Handling

Shipping Condition: Dry Ice

Storage Condition: Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.

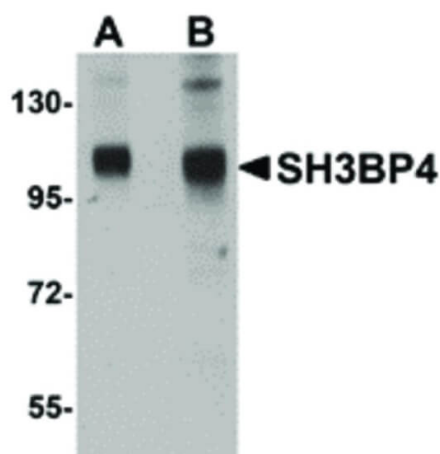
Expiration: Expiration date is one (1) year from date of receipt.

Images



Immunohistochemistry

Immunohistochemistry of SH3BP4 antibody. Tissue: Human lung tissue. Fixation: formalin fixed paraffin embedded. Antigen retrieval: not required. Primary antibody: SH3BP4 antibody at 5 µg/mL for 1 h at RT. Secondary antibody: Peroxidase rabbit secondary antibody at 1:10,000 for 45 min at RT. Localization: SH3BP4 is nuclear and cytoplasmic. Staining: SH3BP4 as precipitated blue signal with brown nuclear counterstain.



Western Blot

Western Blot of SH3BP4 antibody. Lane 1: Rat lung tissue lysate with SH3BP4 antibody at 1 µg/mL. Lane 2: Rat lung tissue lysate with SH3BP4 antibody at 2 µg/mL. Load: 35 µg per lane. Secondary antibody: Peroxidase rabbit secondary antibody at 1:10,000 for 45 min at RT. Block: 5% BLOTTO overnight at 4°C. Predicted/Observed size: 107 kDa, 107 kDa for SH3BP4. Other band(s): SH3BP4 splice variants and isoforms.

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.