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Datasheet for 600-401-EH8

SH3RF2 Antibody

Overview

Description:	Anti-SH3RF2 (RABBIT) Antibody - 600-401-EH8
Item No.:	600-401-EH8
Size:	100 µg
Applications:	ELISA, IF, IHC, WB
Reactivity:	Human, Mouse, Rat
Host Species:	Rabbit

Product Details

Background:	Although the SH3 domain containing ring finger 2 protein (SH3RF2) has been identified as a marker of the nucleus accumbens in the human brain, little is known about this protein. Recent yeast two-hybrid experiments have shown that SH3RF2 associates with protein phosphatase 1 (PP1) and is expressed primarily in heart and testis tissue. Recombinant SH3RF2 enhanced PP1 enzymatic activity and antagonized the ability of phopho-inhibitor-1 or -2 to inhibit PP1, suggesting that SH3RF2 may play a role working with PP1 in cardiac functions.
Synonyms:	SH3RF2 Antibody, HEPP1, POSHER, RNF158, PPP1R39, Putative E3 ubiquitin-protein ligase SH3RF2, Heart protein phosphatase 1-binding protein, HEPP1
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	SH3RF2
Reactivity:	Human, Mouse, Rat
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-SH3RF2 antibody was prepared from whole rabbit serum produced by repeated immunizations with a 17 amino acid synthetic peptide near the C-terminus of human SH3RF2.

Purity/Specificity:	Anti-SH3RF2 Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. Cross reactivity with SH3RF2 from other sources has not been determined.
Relevant Links:	• UniProtKB - Q8TEC5 • GeneID - 153769 • NCBI - NP_689763

Application Details

Tested Applications:	ELISA, IF, IHC, WB
Application Note:	Anti-SH3RF2 Antibody has been tested for use in ELISA, Western Blotting, Immunohistochemistry and Immunofluorescence. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 79 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
IF:	20 µg/mL
IHC:	10 µg/mL
WB:	1-2 µg/mL

Formulation

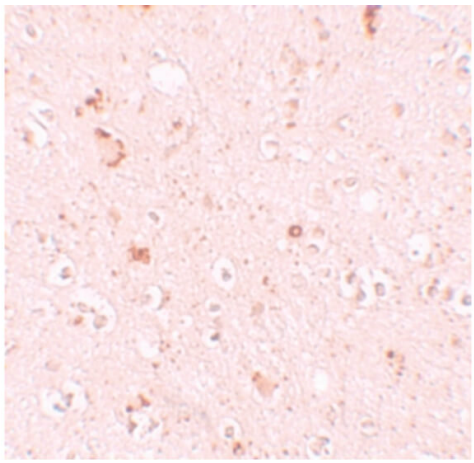
Physical State:	Liquid (sterile filtered)
Concentration:	1 mg/mL by UV absorbance at 280 nm
Buffer:	0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2
Preservative:	0.02% (w/v) Sodium Azide
Stabilizer:	None

Shipping & Handling

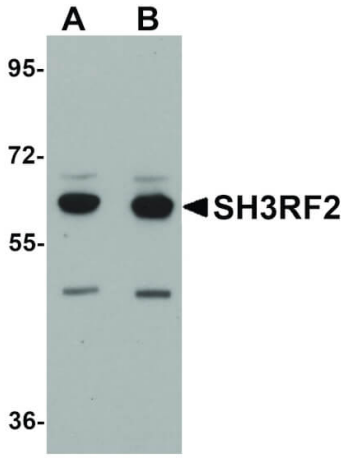
Shipping Condition:	Dry Ice
Storage Condition:	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several 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.

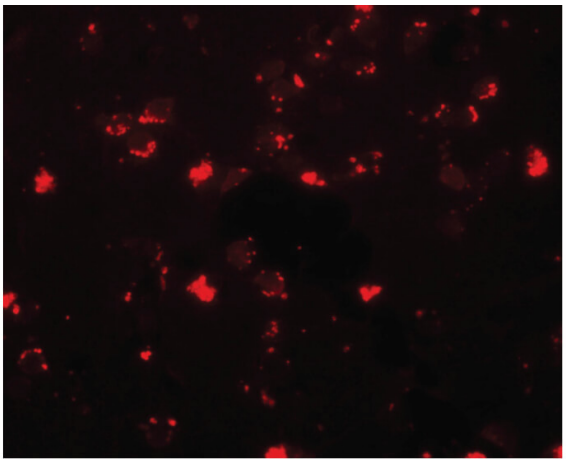
Images



Immunohistochemistry
Immunohistochemistry of SH3RF2 antibody. Tissue: Human brain tissue. Fixation: formalin fixed paraffin embedded. Antigen retrieval: not required. Primary antibody: SH3RF2 antibody at 10 µg/mL for 1 h at RT. Secondary antibody: Peroxidase rabbit secondary antibody at 1:10,000 for 45 min at RT. Localization: SH3RF2 is nuclear. Staining: SH3RF2 as precipitated pink signal with blue nuclear counterstain.



Western Blot
Western Blot of SH3RF2 antibody. Lane 1: 3T3 cell lysate with SH3RF2 antibody at 1 µg/mL. Lane 2: 3T3 cell lysate with SH3RF2 antibody at 2 µg/mL. 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: 79 kDa, 69 kDa for SH3RF2. Other band(s): SH3RF2 splice variants and isoforms.



Immunofluorescence Microscopy
Immunofluorescence Microscopy of SH3RF2 antibody. Tissue: human brain tissue. Fixation: 0.5% PFA. Antigen retrieval: not required. Primary antibody: SH3RF2 antibody at 20 µg/mL for 1 h at RT. Secondary antibody: Fluorescein rabbit secondary antibody at 1:10,000 for 45 min at RT. Localization: SH3RF2 is nuclear. Staining: SH3RF2 as red fluorescent signal.

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