

Datasheet for 600-401-FS0**TSPAN9 Antibody****Overview**

Description:	Anti-TSPAN9 (RABBIT) Antibody - 600-401-FS0
Item No.:	600-401-FS0
Size:	100 µg
Applications:	ELISA, IF, IHC, WB
Reactivity:	Human, Mouse, Rat
Host Species:	Rabbit

Product Details

Background:	The tetraspan family protein members are characterized by four predicted transmembrane domains and are thought to be involved in physiological processes such as tissue differentiation, immunological responses, and sperm-egg fusion. TSPAN9 has recently been identified as a platelet tetraspanin and a component of tetraspanin microdomains that include the collagen receptor GPVI (glycoprotein VI) and integrin alpha6beta1 but not the von Willebrand receptor GPIb alpha or the integrins alphaIIb beta3 or alpha2 beta1, suggesting that TSPAN9 may act to regulate platelet function in concert with other tetraspanins and their associated proteins.
Synonyms:	TSPAN9 Antibody, NET5, NET-5, PP1057, NET5, Tetraspanin-9, Tetraspan NET-5, Tspan-9
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	TSPAN9
Reactivity:	Human, Mouse, Rat
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-TSPAN9 antibody was prepared from whole rabbit serum produced by repeated immunizations with a 15 amino acid synthetic peptide from near the internal region of human TSPAN9.

Purity/Specificity:	Anti-TSPAN9 Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. Cross reactivity with TSPAN9 from other sources has not been determined.
Relevant Links:	• UniProtKB - O75954 • GeneID - 10867 • NCBI - NP_001161792.1

Application Details

Tested Applications:	ELISA, IF, IHC, WB
Application Note:	Anti-TSPAN9 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 27 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
IF:	20 µg/mL
IHC:	2.5 µg/ml
WB:	1 µg/mL

Formulation

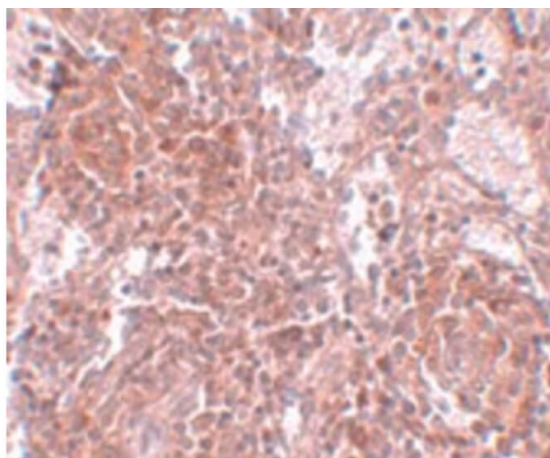
Physical State:	Liquid (sterile filtered)
Concentration:	1 mg/mL by UV absorbance at 280 nm
Buffer:	0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2
Preservative:	0.02% (w/v) Sodium Azide
Stabilizer:	None

Shipping & Handling

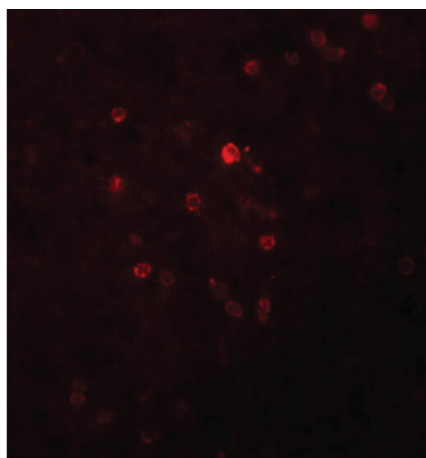
Shipping Condition:	Dry Ice
Storage Condition:	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several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

Expiration:

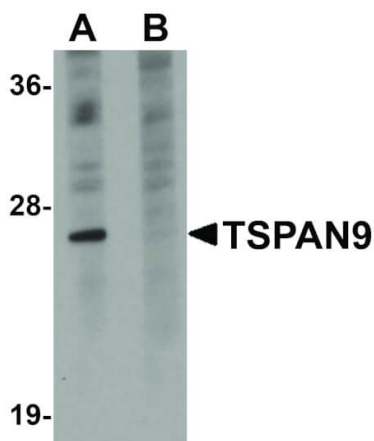
Expiration date is one (1) year from date of receipt.

Images**Immunohistochemistry**

Immunohistochemistry of TSPAN9 antibody. Tissue: Human spleen tissue. Fixation: formalin fixed paraffin embedded. Antigen retrieval: not required. Primary antibody: TSPAN9 antibody at 2.5 µg/mL for 1 h at RT. Secondary antibody: Peroxidase rabbit secondary antibody at 1:10,000 for 45 min at RT. Localization: TSPAN9 is nuclear. Staining: TSPAN9 as precipitated brown signal with blue nuclear counterstain.

**Immunofluorescence Microscopy**

Immunofluorescence Microscopy of TSPAN9 antibody. Tissue: Human spleen tissue. Fixation: 0.5% PFA. Antigen retrieval: not required. Primary antibody: TSPAN9 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: TSPAN9 is nuclear. Staining: TSPAN9 as red fluorescent signal.



Western Blot

Western Blot of TSPAN9 antibody. Lane 1: EL4 cell lysate in the absence of blocking peptide. Lane 2: EL4 cell lysate in the presence of blocking peptide. Primary Antibody: anti-TSPAN9 antibody at 1 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: 27 kDa, 27 kDa for TSPAN9. Other band(s): TSPAN9 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.