

Datasheet for 600-401-FC7**TESPA1 Antibody****Overview**

Description:	Anti-TESPA1 (RABBIT) Antibody - 600-401-FC7
Item No.:	600-401-FC7
Size:	100 µg
Applications:	ELISA, IF, IHC, WB
Reactivity:	Human
Host Species:	Rabbit

Product Details

Background:	TESPA1 is a critical component of the TCR signalosome and is essential for T cell selection and maturation through the regulation of TCR signaling during T cell development (1). TESPA1 encodes a protein of 458 amino acids and is highly conserved among vertebrate species (2). TESPA1 expression was tightly regulated during T cell development, with highest expression at the DP stage (3). TESPA1 deficiency resulted in failure of positive selection and substantially fewer of CD4+ and CD8+ SP cells in the thymus (1,4).
Synonyms:	TESPA1 Antibody, HSPC257, KIAA0748, HSPC257, Protein TESPA1, Thymocyte-expressed positive selection-associated protein 1
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	TESPA1
Reactivity:	Human
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-TESPA1 antibody was prepared from whole rabbit serum produced by repeated immunizations with an 18 amino acid peptide near the N-terminus of human TESPA1.

Purity/Specificity:	Anti-TESPA1 antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. TESPA1 antibody is human specific. At least three isoforms TESPA1 are known to exist.
Relevant Links:	• UniProtKB - A2RU30 • GeneID - 9840 • NCBI - NP_001092285.1

Application Details

Tested Applications:	ELISA, IF, IHC, WB
Application Note:	Anti-TESPA1 Antibody has been tested for use in ELISA, Western Blotting, Immunocytochemistry and Immunofluorescence. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 59 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
WB:	1-2 µg/mL

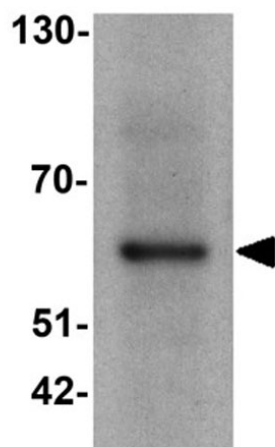
Formulation

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

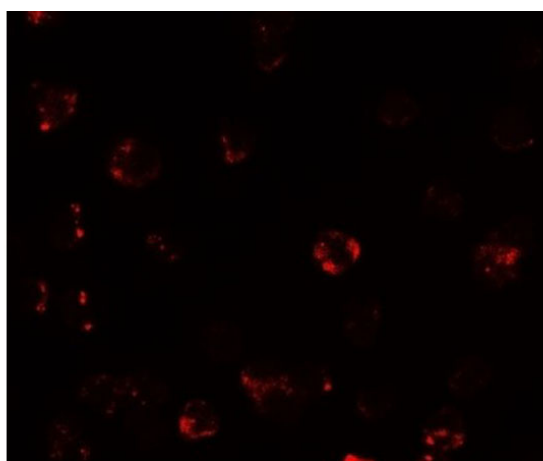


Western Blot

Western blot of TESPA1.

Load: A431 cell lysate.

Primary Antibody: TESPA1 antibody at 1 μ g/ml.

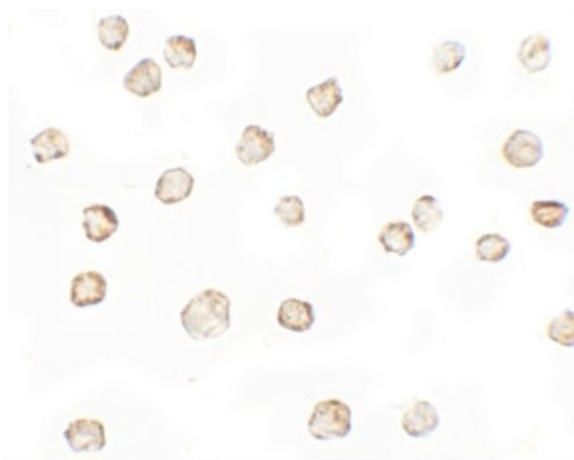


Immunofluorescence Microscopy

Immunofluorescence of TESPA1.

Cell: A431 cells.

Primary Antibody: TESPA1 antibody at 20 μ g/mL.



Immunocytochemistry

Immunocytochemistry of TESPA1.

Cell: A431 cells.

Primary Antibody: TESPA1 antibody at 5 μ g/mL.

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.