

Datasheet for 600-401-FS7**TTYH2 Antibody****Overview**

Description:	Anti-TTYH2 (RABBIT) Antibody - 600-401-FS7
Item No.:	600-401-FS7
Size:	100 µg
Applications:	ELISA, IF, IHC, WB
Reactivity:	Human, Mouse, Rat
Host Species:	Rabbit

Product Details

Background:	TTYH2 is a member of the tweety family of proteins, a family of chloride anion channels containing five transmembrane regions. TTYH2 is a Ca ²⁺ -activated large conductance chloride (Cl ⁻) channel and may play a role in kidney tumorigenesis. It is also upregulated in colon carcinoma and is thought to play a role in cell proliferation and cell aggregation, suggesting that TTYH2 may play a role in regulating both proliferation and metastatic potentials of colorectal cancer. The ubiquitin-protein ligase Nedd4-2 binds to and ubiquitinates TTYH2, thereby regulating its cell surface expression and total cellular levels.
Synonyms:	TTYH2 Antibody, C17orf29, C17orf29, Protein tweety homolog 2, hTTY2
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	TTYH2
Reactivity:	Human, Mouse, Rat
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-TTYH2 antibody was prepared from whole rabbit serum produced by repeated immunizations with a 14 amino acid synthetic peptide near the N-terminus of human TTYH2.

Purity/Specificity:	Anti-TTYH2 Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. At least four isoforms of TTYH2 are known to exist; this antibody will only detect the two longest isoforms. This antibody is predicted to not cross-react with other TTYH family members.
Relevant Links:	• UniProtKB - Q9BSA4 • GeneID - 94015 • NCBI - NP_116035.5

Application Details

Tested Applications:	ELISA, IF, IHC, WB
Application Note:	Anti-TTYH2 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 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
IF:	2.5 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

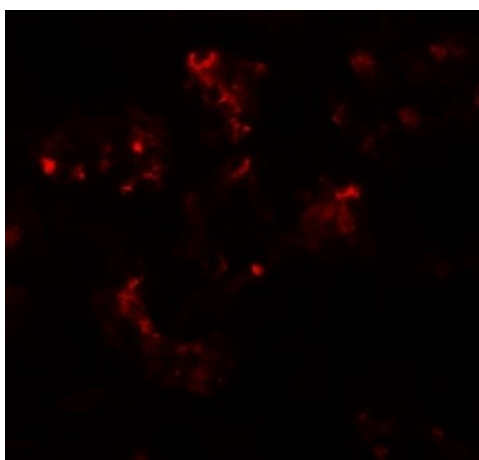
Shipping & Handling

Shipping Condition:	Dry Ice
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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

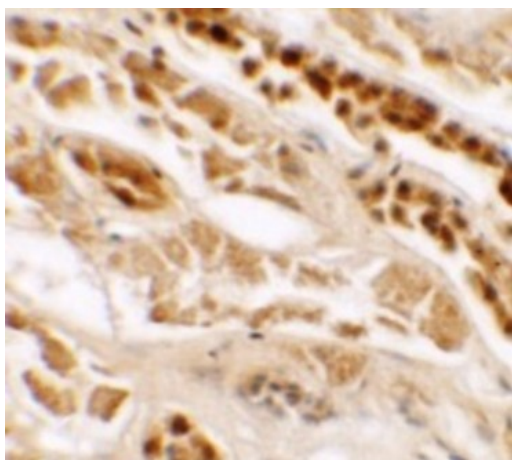


Immunofluorescence Microscopy

Immunofluorescence of TTYH2.

Tissue: human kidney tissue.

Primary Antibody: TTYH2 antibody at 20 µg/mL.

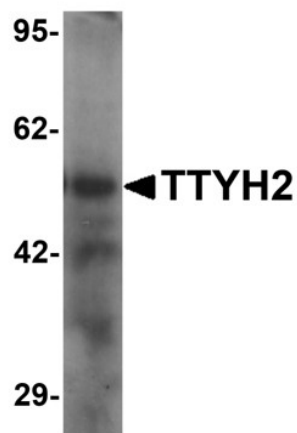


Immunohistochemistry

Immunohistochemistry of TTYH2.

Tissue: human kidney tissue.

Primary Antibody: TTYH2 antibody at 2.5 µg/mL.

**Western Blot**

Western blot analysis of TTYH2.

Load: human kidney tissue lysate.

Primary Antibody: TTYH2 antibody at 1 µg/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.