

Datasheet for 600-401-FS6**TTYH1 Antibody****Overview**

Description:	Anti-TTYH1 (RABBIT) Antibody - 600-401-FS6
Item No.:	600-401-FS6
Size:	100 µg
Applications:	ELISA, IHC, WB
Reactivity:	Human
Host Species:	Rabbit

Product Details

Background:	TTYH1 is a member of the tweety family of proteins, a family of chloride anion channels containing five transmembrane regions. TTYH1 is a Ca ²⁺ -independent, volume-sensitive large conductance chloride (Cl ⁻) channel. TTYH1 is primarily expressed in neural tissue and upregulated in astrocytoma, glioma, and several other cancers. Recent experiments have shown that TTYH1 is an integral endoplasmic reticulum (ER) membrane protein involved in cell proliferation and is thought to play an essential role in embryonic cell growth, possibly through the Ca ²⁺ storage/release process in ER membranes during early development.
Synonyms:	TTYH1 Antibody, Protein tweety homolog 1, hTTY1
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	TTYH1
Reactivity:	Human
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-TTYH1 antibody was prepared from whole rabbit serum produced by repeated immunizations with a 17 amino acid synthetic peptide near the C-terminus of human TTYH1.

Purity/Specificity:	Anti-TTYH1 Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. TTYH1 antibody is human specific. Multiple isoforms of TTYH1 are known to exist.
Relevant Links:	• UniProtKB - Q9H313 • GeneID - 57348 • NCBI - NP_001005367.1

Application Details

Tested Applications:	ELISA, IHC, WB
Application Note:	Anti-TTYH1 Antibody has been tested for use in ELISA, Western Blotting, Immunocytochemistry. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 49 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
WB:	1-2 µg/mL

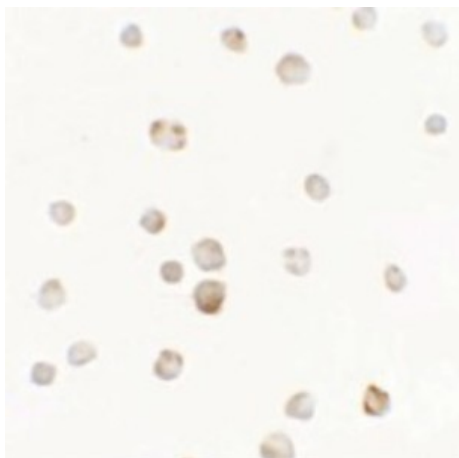
Formulation

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

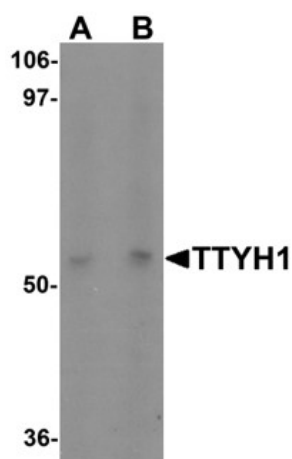


Immunocytochemistry

Immunocytochemistry of TTYH1.

Cell: Raji cells.

Primary Antibody: TTYH1 antibody at 5 µg/mL.



Western Blot

Western blot analysis of TTYH1.

Load: Raji cell lysate.

Primary Antibody: TTYH1 antibody at (A) 1 and (B) 2 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.