

Datasheet for 600-401-FR3**TSHZ1 Antibody****Overview**

Description:	Anti-TSHZ1 (RABBIT) Antibody - 600-401-FR3
Item No.:	600-401-FR3
Size:	100 µg
Applications:	ELISA, IF, IHC, WB
Reactivity:	Human, Mouse, Rat
Host Species:	Rabbit

Product Details

Background:	The Teashirt zinc finger homeobox (TSHZ) family comprise a family of evolutionarily conserved transcription factors that, in <i>Drosophila</i> , are active in specific body parts for patterning, but whose function in vertebrates is less clear. TSHZ1 has been found to be required for axial skeleton, soft palate and middle ear development in mice and may be involved in a common pathway with the Hox genes. Both TSHZ1 and the related protein TSHZ3 have been found to interact with FE65, an adapter protein that binds to the amyloid protein precursor (APP) in neurons. Together with SET, a component of the inhibitor of acetyl transferase, and histone deacetylases, these proteins formed a gene-silencing complex whose target includes caspase-4.
Synonyms:	TSHZ1 Antibody, CAA, TSH1, NY-CO-33, SDCCAG33, Teashirt homolog 1, Antigen NY-CO-33
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	TSHZ1
Reactivity:	Human, Mouse, Rat
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-TSHZ1 antibody was prepared from whole rabbit serum produced by repeated immunizations with a 16 amino acid synthetic peptide near the N-terminus of human TSHZ1.

Purity/Specificity: Anti-TSHZ1 Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. Cross reactivity with TSHZ1 from other sources has not been determined.

Relevant Links:

- [UniProtKB - Q6ZSZ6](#)
- [GeneID - 10194](#)
- [NCBI - NP_001295139.1](#)

Application Details

Tested Applications: ELISA, IF, IHC, WB

Application Note: Anti-TSHZ1 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 118 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

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

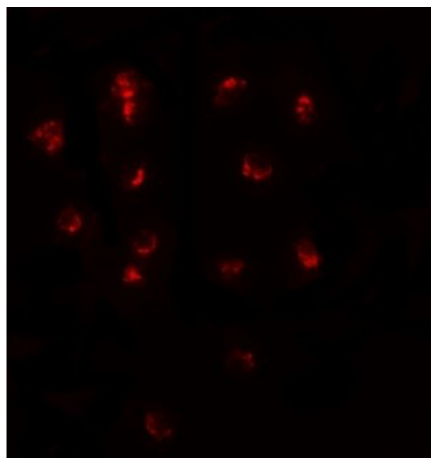
Shipping & Handling

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



Immunofluorescence Microscopy

Immunofluorescence of TSHZ1.

Cell: A20 cells.

Primary Antibody: TSHZ1 antibody at 20 µg/mL.

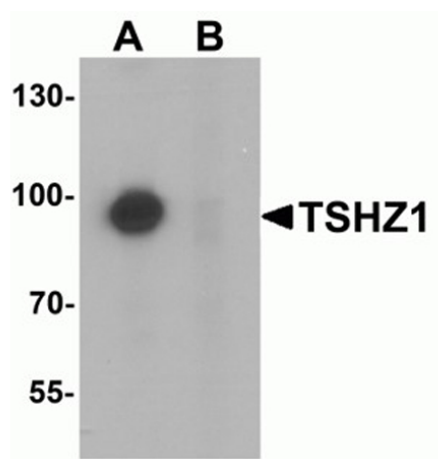


Immunocytochemistry

Immunocytochemistry of TSHZ1.

Cell: A20 cells.

Primary Antibody: TSHZ1 antibody at 2.5 µg/mL.



Western Blot

Western blot analysis of TSHZ1.

Load: A-20 cell lysate.

Primary Antibody: TSHZ1 antibody at 1 µg/mL in (A) the absence and (B) the presence of blocking peptide.

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.