

Datasheet for 600-401-FR4**TSHZ2 Antibody****Overview**

Description:	Anti-TSHZ2 (RABBIT) Antibody - 600-401-FR4
Item No.:	600-401-FR4
Size:	100 µg
Applications:	ELISA, IF, 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. In mice, the known three TSHZ proteins are expressed in distinct patterns in the developing and adult brain, suggesting that they play a role in the establishment of regional identity and specification of cell types within the brain. Recent experiments have shown that the expression of TSHZ2 is frequently downregulated in most breast and prostate cancers and its promoter was unmethylated in virtually all cases, suggesting this family of proteins may also be involved in carcinogenesis.
Synonyms:	TSHZ2 Antibody, TSH2, ZABC2, ZNF218, OVC10-2, C20orf17, TSH2, Teashirt homolog 2, Ovarian cancer-related protein 10-2
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	TSHZ2
Reactivity:	Human, Mouse, Rat
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-TSHZ2 antibody was prepared from whole rabbit serum produced by repeated immunizations with a 17 amino acid synthetic peptide near the N-terminus of human TSHZ2.

Purity/Specificity: Anti-TSHZ2 Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. Cross reactivity with TSHZ2 from other sources has not been determined.

Relevant Links:

- [UniProtKB - Q9NRE2](#)
- [GeneID - 128553](#)
- [NCBI - NP_001180350.1](#)

Application Details

Tested Applications: ELISA, IF, WB

Application Note: Anti-TSHZ2 Antibody has been tested for use in ELISA, Western Blotting and Immunofluorescence. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 115 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

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

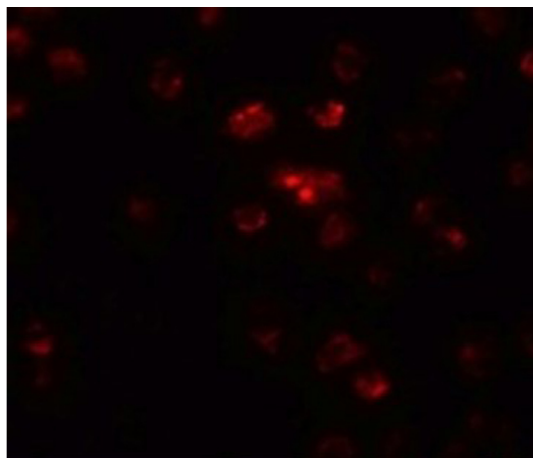
Shipping & Handling

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

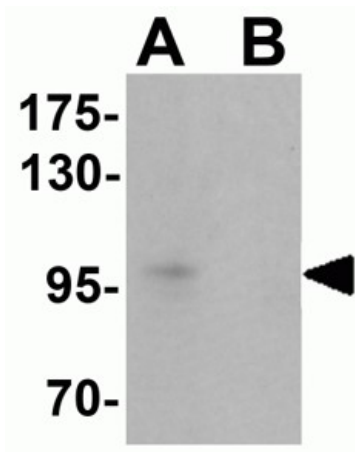


Immunofluorescence Microscopy

Immunofluorescence of TSHZ2.

Cell: A20 cells.

Primary Antibody: TSHZ2 antibody at 20 µg/mL.



Western Blot

Western blot analysis of TSHZ2.

Load: A-20 cell lysate.

Primary Antibody: TSHZ2 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.