

Datasheet for 600-401-FK1**TMEM88 Antibody****Overview**

Description:	Anti-TMEM88 (RABBIT) Antibody - 600-401-FK1
Item No.:	600-401-FK1
Size:	100 µg
Applications:	ELISA, IF, IHC, WB
Reactivity:	Human, Mouse, Rat
Host Species:	Rabbit

Product Details

Background:	Transmembrane protein 88 (TMEM88) is a two-transmembrane-type protein whose C-terminal tail has been shown to bind the PDZ domain of Disheveled (Dvl), one of the key components in Wnt signaling pathways. TMEM88 attenuated the Wnt/beta-catenin signaling induced by Wnt-1 ligand in a dose-dependent manner and knockdown of TMEM88 by RNAi increased Wnt activity, suggesting that TMEM88 plays a role in regulating Wnt signaling in a context-dependent manner.
Synonyms:	TMEM88 Antibody, TMEM88A, Transmembrane protein 88
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	TMEM88
Reactivity:	Human, Mouse, Rat
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-TMEM88 antibody was prepared from whole rabbit serum produced by repeated immunizations with a 19 amino acid synthetic peptide near the C-terminus of human TMEM88.

Purity/Specificity: Anti-TMEM88 Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. At least two isoforms of TMEM88 are known to exist; this antibody will recognize both isoforms.

Relevant Links:

- [UniProtKB - Q6PEY1](#)
- [GeneID - 92162](#)
- [NCBI - NP_981956.1](#)

Application Details

Tested Applications: ELISA, IF, IHC, WB

Application Note: Anti-TMEM88 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 18 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

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

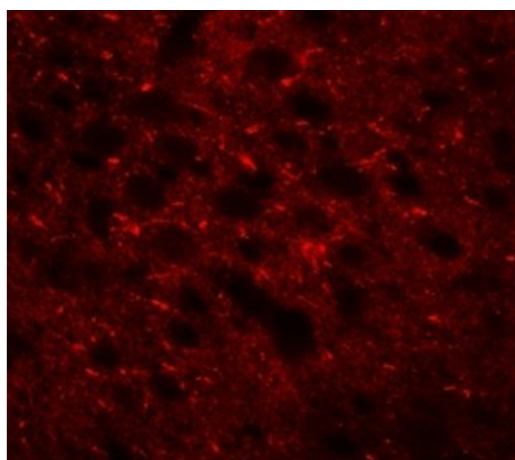
Shipping & Handling

Shipping Condition: Dry Ice

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.

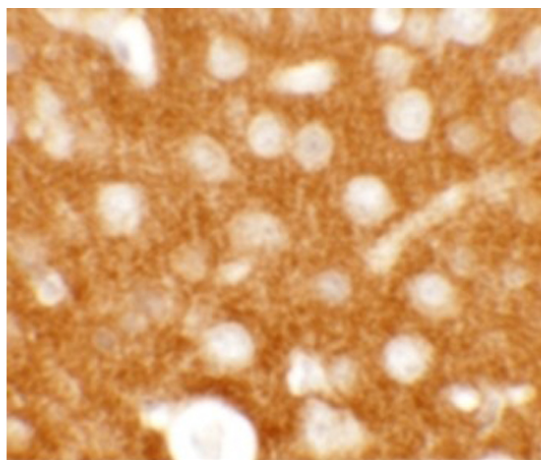
Expiration: Expiration date is one (1) year from date of receipt.

Images



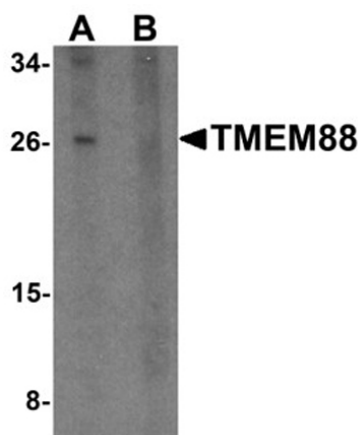
Immunofluorescence Microscopy

Immunofluorescence of TMEM88. Tissue: mouse brain tissue. Primary Antibody: TMEM88 antibody at 20 µg/mL.



Immunohistochemistry

Immunohistochemistry of TMEM88. Tissue: mouse brain tissue. Primary Antibody: TMEM88 antibody at 2.5 µg/mL.

**Western Blot**

Western blot analysis of TMEM88. Load: human brain tissue lysate. Primary Antibody: TMEM88 antibody at 1 μ g/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.