

Datasheet for 600-401-FJ0**TMEM184B Antibody****Overview**

Description:	Anti-TMEM184B (RABBIT) Antibody - 600-401-FJ0
Item No.:	600-401-FJ0
Size:	100 µg
Applications:	ELISA, IF, IHC, WB
Reactivity:	Human, Mouse, Rat
Host Species:	Rabbit

Product Details

Background:	TMEM184B, also known as C22orf5, is a 407 amino acid multi-pass membrane protein and represents a novel gene in the activation of the MAPK signaling pathway. The gene encoding TMEM184B maps to human chromosome 22; mutations in several of the genes in chromosome 22 are involved in the development of autism, schizophrenia, Phelan-McDermid syndrome and Neurofibromatosis type 2, suggesting that TMEM184B may play a role in these syndromes.
Synonyms:	TMEM184B Antibody, FM08, HS5O6A, C22orf5, PSEC0108, Transmembrane protein 184B, Putative MAPK-activating protein FM08
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	TMEM184B
Reactivity:	Human, Mouse, Rat
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-TMEM184B antibody was prepared from whole rabbit serum produced by repeated immunizations with a 15 amino acid synthetic peptide near the C-terminus of human TMEM184B.

Purity/Specificity: Anti-TMEM184B Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. Cross reactivity with TMEM184B from other sources has not been determined.

Relevant Links:

- [UniProtKB - Q9Y519](#)
- [GeneID - 25829](#)
- [NCBI - NP_001182000.1](#)

Application Details

Tested Applications: ELISA, IF, IHC, WB

Application Note: Anti-TMEM184B 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 46 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

IF: 20 µg/mL

IHC: 5 µg/mL

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

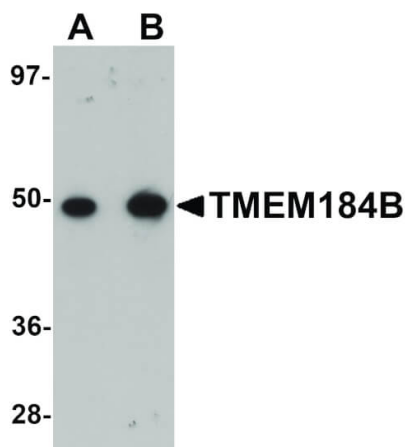
Shipping Condition: Dry Ice

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:

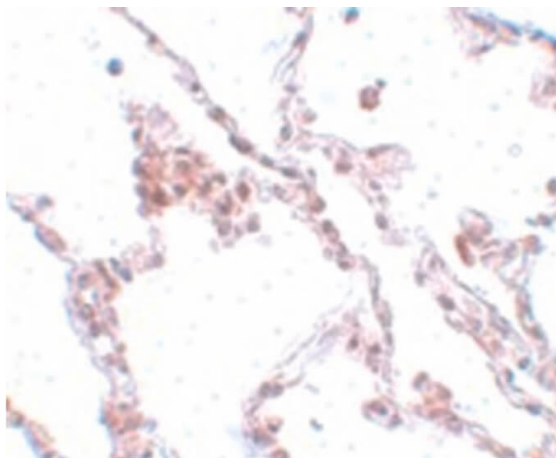
Expiration date is one (1) year from date of receipt.

Images



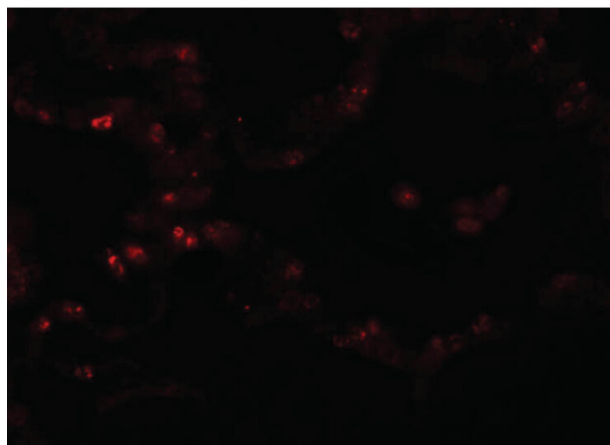
Western Blot

Western Blot of TMEM184B antibody. Lane 1: rat lung tissue lysate with TMEM184B antibody at 1 µg/mL. Lane 2: rat lung tissue lysate with TMEM184B antibody at 2 µg/mL. Secondary antibody: Peroxidase rabbit secondary antibody at 1:10,000 for 45 min at RT. Block: 5% BLOTTO overnight at 4°C. Predicted/Observed size: 46 kDa, 49 kDa for TMEM184B. Other band(s): TMEM184B splice variants and isoforms.



Immunohistochemistry

Immunohistochemistry of TMEM184B antibody. Tissue: Human lung tissue. Fixation: formalin fixed paraffin embedded. Antigen retrieval: not required. Primary antibody: TMEM184B antibody at 5 µg/mL for 1 h at RT. Secondary antibody: Peroxidase rabbit secondary antibody at 1:10,000 for 45 min at RT. Localization: TMEM184B is a membrane protein. Staining: TMEM184B as precipitated pink signal with blue nuclear counterstain.

**Immunofluorescence Microscopy**

Immunofluorescence Microscopy of TMEM184B antibody.
Tissue: Human lung tissue. Fixation: 0.5% PFA. Antigen retrieval: not required. Primary antibody: TMEM184B antibody at 20 µg/mL for 1 h at RT. Secondary antibody: Fluorescein rabbit secondary antibody at 1:10,000 for 45 min at RT. Localization: TMEM184B is a membrane protein. Staining: TMEM184B as red fluorescent signal.

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.