

Datasheet for 600-401-FJ1

TMEM184C Antibody**Overview**

Description:	Anti-TMEM184C (RABBIT) Antibody - 600-401-FJ1
Item No.:	600-401-FJ1
Size:	100 µg
Applications:	ELISA, IF, IHC, WB
Reactivity:	Human, Mouse, Rat
Host Species:	Rabbit

Product Details

Background:	Anaplastic thyroid cancer is one of the most lethal forms of cancer, but the precise carcinogenic mechanism has not been identified. TMEM184C, also known as TMEM34, was identified in a cDNA microarray analysis as being down-regulated in anaplastic thyroid cancers compared to normal thyroid tissues. TMEM184C protein expression was also lower in cell lines derived from these types of cancers compared to that of normal thyroid tissues or cell lines based on other types of thyroid cancers. Furthermore, transfection of TMEM34 into KTA2 cells led to the inhibition of cell growth, suggesting that TMEM184C might act as a tumor suppressor in anaplastic thyroid cancers.
Synonyms:	TMEM184C Antibody, TMEM34, TMEM34, PRO1355, Transmembrane protein 184C, Transmembrane protein 34
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	TMEM184C
Reactivity:	Human, Mouse, Rat
Immunogen Type:	Conjugated Peptide

Immunogen:	Anti-TMEM184C antibody was prepared from whole rabbit serum produced by repeated immunizations with a 15 amino acid synthetic peptide near the C-terminus of human TMEM184C.
Purity/Specificity:	Anti-TMEM184C Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. Cross reactivity with TMEM184C from other sources has not been determined.
Relevant Links:	• UniProtKB - Q9NVA4 • GeneID - 55751 • NCBI - NP_060711.2

Application Details

Tested Applications:	ELISA, IF, IHC, WB
Application Note:	Anti-TMEM184C 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 50 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:	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

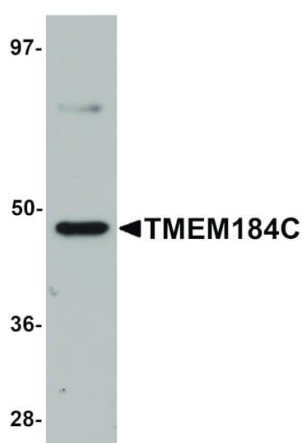
Shipping & Handling

Shipping Condition:	Dry Ice
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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.

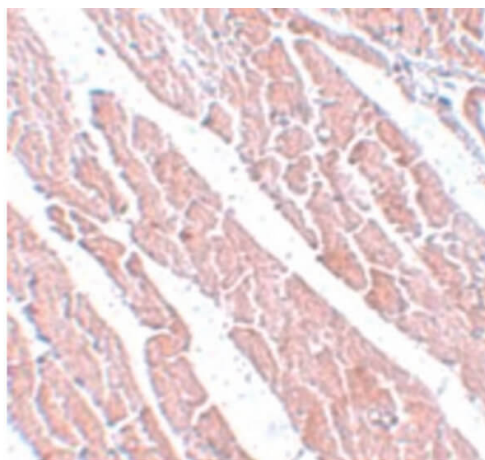
Expiration: Expiration date is one (1) year from date of receipt.

Images



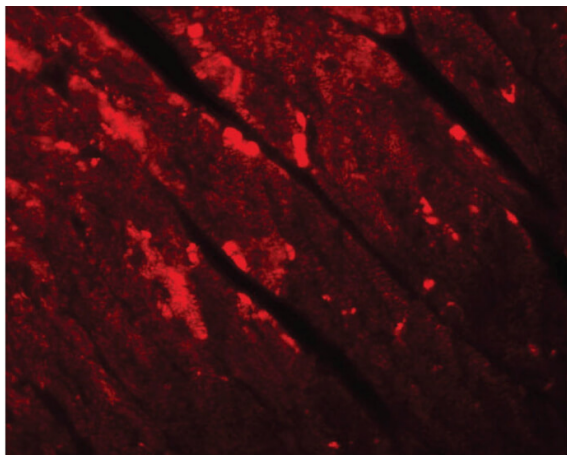
Western Blot

Western Blot of TMEM184C antibody. Lane 1: Mouse heart tissue lysate with TMEM184C antibody at 1 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: 50 kDa, 49 kDa for TMEM184C. Other band(s): TMEM184C splice variants and isoforms.



Immunohistochemistry

Immunohistochemistry of TMEM184C antibody. Tissue: Human lung tissue. Fixation: formalin fixed paraffin embedded. Antigen retrieval: not required. Primary antibody: TMEM184C 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: TMEM184C is a membrane protein. Staining: TMEM184C as precipitated pink signal with blue counterstain.

**Immunofluorescence Microscopy**

Immunofluorescence Microscopy of TMEM184C antibody.
Tissue: Mouse heart tissue. Fixation: 0.5% PFA. Antigen retrieval: not required. Primary antibody: TMEM184C 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: TMEM184C is a membrane protein. Staining: TMEM184C 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.