

For Research Use Only

# APC-conjugated TACSTD2/TROP2 Monoclonal antibody

Catalog Number: APC-68141



## Basic Information

Catalog Number:

APC-68141

Concentration:

200 ug/ml

Source:

Mouse

Isotype:

IgG2b

Immunogen Catalog Number:

AG25775

GenBank Accession Number:

BC009409

GeneID (NCBI):

4070

UNIPROT ID:

P09758

Full Name:

tumor-associated calcium signal  
transducer 2

Calculated MW:

36 kDa

Observed MW:

40-50 kDa

Purification Method:

Protein A purification

CloneNo.:

5A6B1

Recommended Dilutions:

IF-P 1:50-1:500

Excitation/Emission maxima  
wavelengths:

650 nm / 660 nm

## Applications

Tested Applications:

IF-P

Species Specificity:

human, mouse

Positive Controls:

IF-P: mouse skin tissue,

## Background Information

Trophoblast cell surface antigen 2 (TROP2), also named as TACSTD2, is a transmembrane glycoprotein. TROP2 plays a role in transducing intracellular calcium signals. It is expressed in trophoblast cells, cornea and multi-stratified epithelia. TROP2 is overexpressed in most carcinomas and is involved in cancer proliferation, migration, invasion, and metastasis. Congenital mutations of TROP2 cause a rare autosomal recessive disease which may lead to blindness-the gelatinous drop-like corneal disease (PMID: 35688908).

## Storage

Storage:

Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

PBS with 0.09% sodium azide and 0.5% BSA.

For technical support and original validation data for this product please contact:

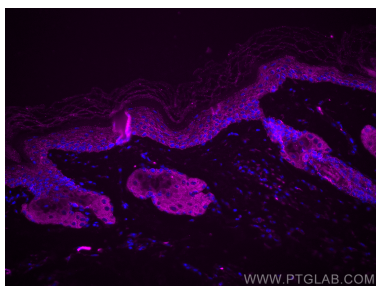
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

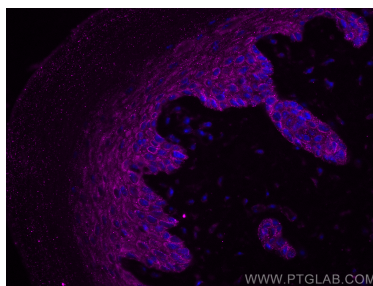
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## Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded mouse skin tissue using APC TACSTD2/TROP2 antibody (APC-68141, Clone: 5A6B1 ) at dilution of 1:200. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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