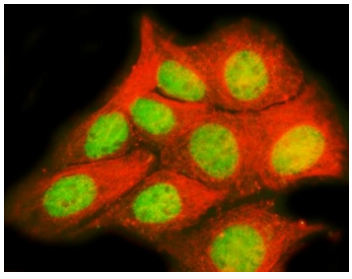
TRPS1 Antibody for IF / Tricho-Rhino-Phalangeal Syndrome Type I IF Antibody (RQ7593)

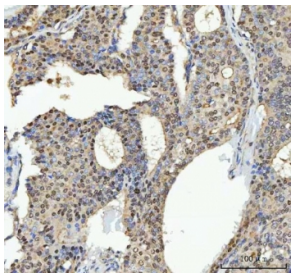
Catalog No.	Formulation	Size
RQ7593	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

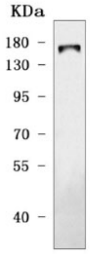
Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	Q9UHF7
Localization	Nuclear
Applications	Western blot: 0.5-1ug/ml Immunohistochemistry (FFPE): 2-5ug/ml Immunofluorescence: 5ug/ml Flow cytometry: 1-3ug/million cells Direct ELISA: 0.1-0.5ug/ml
Limitations	This TRPS1 antibody is available for research use only.



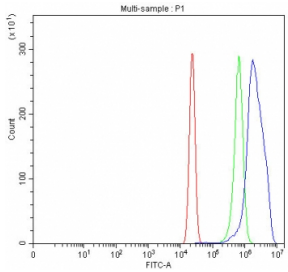
TRPS1 Antibody for IF / Tricho-Rhino-Phalangeal Syndrome Type I IF Antibody. Immunofluorescence analysis in human MCF7 cells. FFPE human MCF7 cells stained with TRPS1 Antibody for IF show strong nuclear fluorescence (green), consistent with TRPS1 localization as a transcription factor. Co-staining with Alpha Tubulin monoclonal antibody (red) highlights the cytoskeletal network, providing clear contrast for subcellular localization. Antigen retrieval was performed using pH6 citrate buffer with heat-induced epitope retrieval prior to staining, supporting high-resolution fluorescence imaging of TRPS1 distribution within epithelial cancer cells.



IHC staining of FFPE human breast cancer tissue with TRPS1 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



Western blot testing of human MCF7 cell lysate with TRPS1 antibody. Predicted molecular weight ~142 kDa, commonly observed at ~160 kDa.



Flow cytometry testing of human U-2 OS cells with TRPS1 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= TRPS1 antibody.

Description

Zinc finger transcription factor Trps1 is a protein that in humans is encoded by the TRPS1 gene. This gene encodes a transcription factor that represses GATA-regulated genes and binds to a dynein light chain protein. Binding of the encoded protein to the dynein light chain protein affects binding to GATA consensus sequences and suppresses its transcriptional activity. Defects in this gene are a cause of tricho-rhino-phalangeal syndrome (TRPS) types I-III.

Application Notes

Optimal dilution of the TRPS1 Antibody for IF / Tricho-Rhino-Phalangeal Syndrome Type I IF Antibody should be determined by the researcher.

Immunogen

E. coli-derived recombinant human protein (amino acids H353-D1257) was used as the immunogen for the TRPS1 Antibody for IF / Tricho-Rhino-Phalangeal Syndrome Type I IF Antibody.

Storage

After reconstitution, the TRPS1 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

Alternate Names

TRPS1 antibody, Tricho rhino phalangeal syndrome type I protein antibody, Zinc finger transcription factor TRPS1 antibody, TRPS1 protein antibody

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