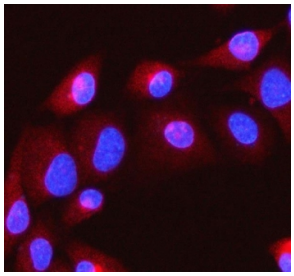
ITPRIP Antibody / Inositol 1, 4, 5-trisphosphate receptor-interacting protein (RQ8811)

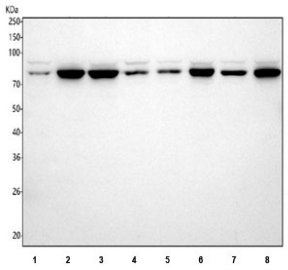
Catalog No.	Formulation	Size
RQ8811	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

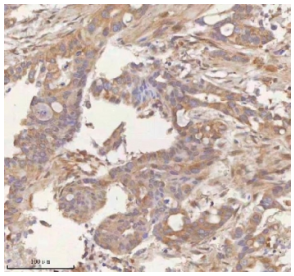
Availability	1-3 days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity chromatography
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	Q8IWB1
Localization	Cell membrane, nuclear membrane
Applications	Western blot: 1-2ug/ml Immunohistochemistry (FFPE): 2-5ug/ml Immunofluorescence: 5ug/ml ELISA: 0.1-0.5ug/ml
Limitations	This ITPRIP antibody is available for research use only.



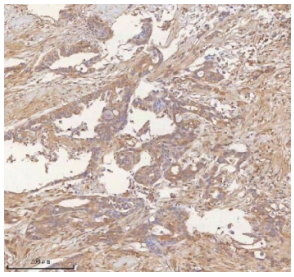
Immunofluorescent staining of FFPE human A549 cells with ITPRIP antibody (red) and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.



Western blot testing of 1) human A549, 2) human MCF7, 3) human HeLa, 4) human U-251, 5) rat brain, 6) rat C6, 7) mouse brain and 8) mouse NIH 3T3 cell lysate with ITPRIP antibody. Predicted molecular weight ~62 kDa but may be observed at higher molecular weights due to glycosylation.



IHC staining of FFPE human pancreas ductal adenocarcinoma tissue with ITPRIP antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE human pancreas ductal adenocarcinoma tissue with ITPRIP antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.

Description

This gene encodes a membrane-associated protein that binds the inositol 1,4,5-trisphosphate receptor (ITPR). The encoded protein enhances the sensitivity of ITPR to intracellular calcium signaling. Alternative splicing results in multiple transcript variants.

Application Notes

Optimal dilution of the ITPRIP antibody should be determined by the researcher.

Immunogen

An E.coli-derived human recombinant protein (amino acids R161-Q542) was used as the immunogen for the ITPRIP antibody.

Storage

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

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