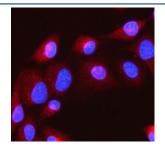


# ITPRIP Antibody / Inositol 1, 4, 5-trisphosphate receptor-interacting protein (RQ8811)

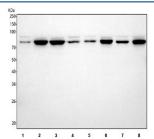
| Catalog No. | Formulation   | Size   |
|-------------|---|--------|
| RQ8811      | 0.5mg/ml if reconstituted with 0.2ml sterile DI water | 100 ug |

## **Bulk quote request**

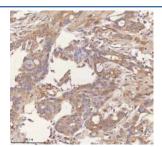
| Availability       | 1-3 days  |
|--------------------|---|
| Species Reactivity | Human, Mouse, Rat   |
| Format             | Antigen affinity purified   |
| Clonality          | Polyclonal (rabbit origin)  |
| Isotype            | Rabbit IgG  |
| Purity             | Antigen affinity chromatography   |
| 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.  |



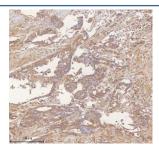
Immunofluorescent staining of FFPE human A549 cells with ITPRIP antibody (red) and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.



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.