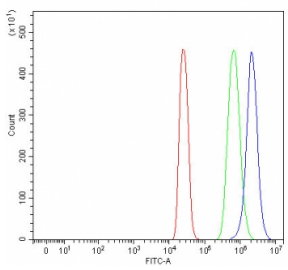
Protor-1 Antibody / Protein observed with Rictor-1 / PRR5 (RQ8224)

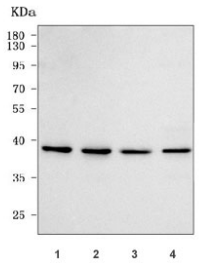
Catalog No.	Formulation	Size
RQ8224	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

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	P85299
Applications	Western Blot : 0.5-1ug/ml Flow Cytometry : 1-3ug/million cells Direct ELISA : 0.1-0.5ug/ml
Limitations	This Protor-1 antibody is available for research use only.



Flow cytometry testing of fixed and permeabilized human 293T cells with Protor-1 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= Protor-1 antibody.



Western blot testing of human 1) 293T, 2) HeLa, 3) Jurkat and 4) HepG2 cell lysate with Protor-1 antibody. Predicted molecular weight: 31-45 kDa (multiple isoforms).

Description

This gene encodes a protein with a proline-rich domain. This gene is located in a region of chromosome 22 reported to contain a tumor suppressor gene that may be involved in breast and colorectal tumorigenesis. The protein is a component of the mammalian target of rapamycin complex 2 (mTORC2), and it regulates platelet-derived growth factor (PDGF) receptor beta expression and PDGF signaling to Akt and S6K1. Alternative splicing and the use of alternative promoters results in transcripts encoding different isoforms. Read-through transcripts from this gene into the downstream Rho GTPase activating protein 8 (ARHGAP8) gene also exist, which led to the original description of PRR5 and ARHGAP8 being a single gene.

Application Notes

Optimal dilution of the Protor-1 antibody should be determined by the researcher.

Immunogen

E. coli-derived recombinant human protein (amino acids S45-D366) was used as the immunogen for the Protor-1 antibody.

Storage

After reconstitution, the Protor-1 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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