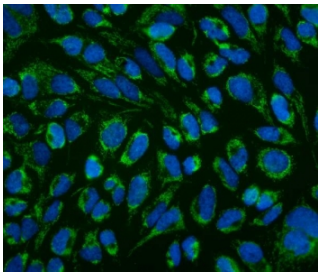
LRPPRC Antibody / GP130 (RQ5633)

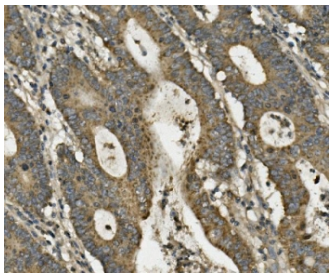
Catalog No.	Formulation	Size
RQ5633	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

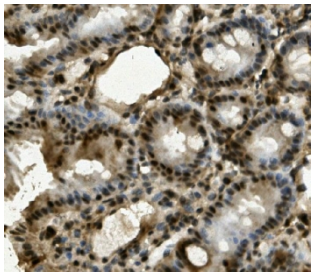
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat, Monkey
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Purity	Affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
UniProt	P42704
Localization	Nuclear, cytoplasmic
Applications	Western blot: 0.5-1ug/ml Immunohistochemistry: 1-2ug/ml Immunofluorescence: 2-4ug/ml Flow cytometry: 1-3ug/million cells Direct ELISA: 0.1-0.5ug/ml
Limitations	This LRPPRC antibody is available for research use only.



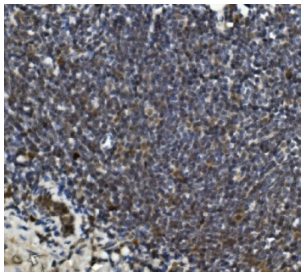
Immunofluorescent staining of FFPE human HeLa cells with LRPPRC antibody (green) and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.



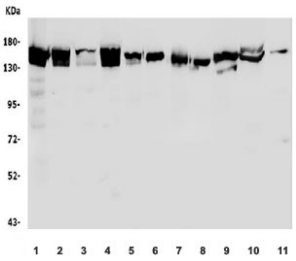
IHC staining of FFPE human rectal cancer with LRPPRC antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



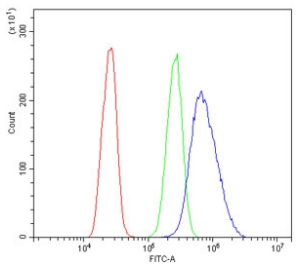
IHC staining of FFPE mouse intestine with LRPPRC antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



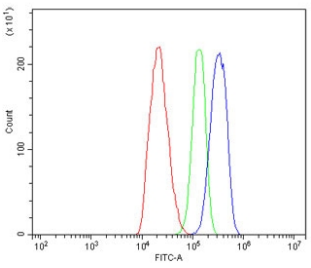
IHC staining of FFPE rat intestine with LRPPRC antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



Western blot testing of human 1) HEK293, 2) HeLa, 3) Jurkat and 4) Caco-2, 5) monkey kindey, 6) monkey heart, 7) rat heart, 8) rat skeletal muscle, 9) rat kidney, 10) rat liver and 11) mouse heart lysate with LRPPRC antibody. Expected molecular weight: 150-160 kDa.



Flow cytometry testing of human A431 cells with LRPPRC antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= LRPPRC antibody.



Flow cytometry testing of rat C6 cells with LRPPRC antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= LRPPRC antibody.

Description

Leucine-rich PPR motif-containing protein, mitochondrial is a protein that in humans is encoded by the LRPPRC gene. It is mapped to 2p21. This gene encodes a leucine-rich protein that has multiple pentatricopeptide repeats (PPR). The precise role of this protein is unknown but studies suggest it may play a role in cytoskeletal organization, vesicular transport, or in transcriptional regulation of both nuclear and mitochondrial genes. The protein localizes primarily to mitochondria and is predicted to have an N-terminal mitochondrial targeting sequence. Mutations in this gene are associated with the French-Canadian type of Leigh syndrome.

Application Notes

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

Immunogen

Recombinant human protein (amino acids A1281-S1394) was used as the immunogen for the LRPPRC antibody.

Storage

After reconstitution, the LRPPRC 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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