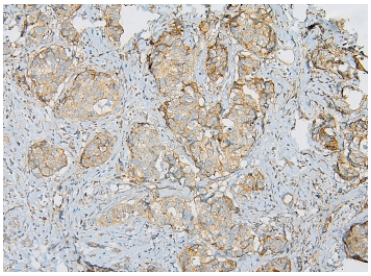
IQGAP1 Antibody (RQ4908)

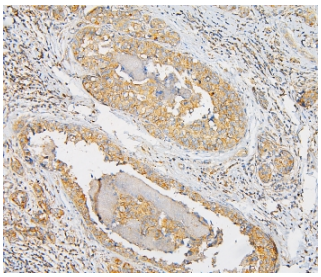
Catalog No.	Formulation	Size
RQ4908	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

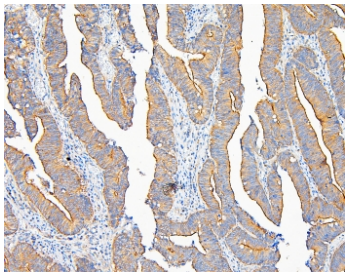
Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
UniProt	P46940
Localization	Cytoplasmic, nuclear, membrane
Applications	Western blot: 0.5-1ug/ml Immunohistochemistry (FFPE): 1-2ug/ml Immunofluorescence: 2-4ug/ml Flow cytometry: 1-3ug/million cells Direct ELISA: 0.1-0.5ug/ml
Limitations	This IQGAP1 antibody is available for research use only.



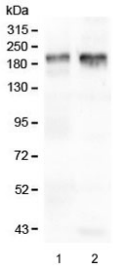
IHC staining of FFPE human breast cancer with IQGAP1 antibody at 1ug/ml. HIER: boil tissue sections in pH6, 10mM citrate buffer, for 10-20 min and allow to cool before testing.



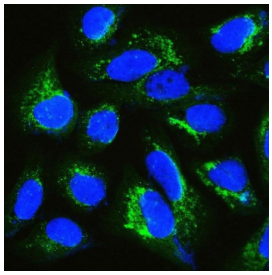
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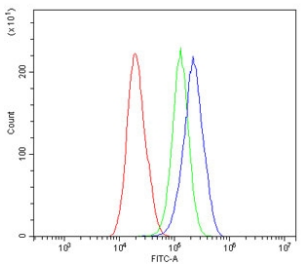
IHC staining of FFPE human intestinal cancer with IQGAP1 antibody at 1ug/ml. HIER: boil tissue sections in pH6, 10mM citrate buffer, for 10-20 min and allow to cool before testing.



Western blot testing of human 1) placenta and 2) U-87 MG lysate with IQGAP1 antibody at 0.5ug/ml. Predicted molecular weight ~189 kDa.



IF/ICC staining of FFPE human U-2 OS cells with IQGAP1 antibody (green) at 2ug/ml and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.



Flow cytometry testing of human HepG2 cells with IQGAP1 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= IQGAP1 antibody.

Description

Ras GTPase-activating-like protein IQGAP1, also known as p195, is a ubiquitously expressed protein that in humans is encoded by the IQGAP1 gene. It is mapped to 15q26.1. This gene encodes a member of the IQGAP family. The protein contains four IQ domains, one calponin homology domain, one Ras-GAP domain and one WW domain. It interacts with components of the cytoskeleton, with cell adhesion molecules, and with several signaling molecules to regulate cell morphology and motility. Expression of the protein is upregulated by gene amplification in two gastric cancer cell lines.

Application Notes

Optimal dilution of the IQGAP1 antibody should be determined by the researcher.

Immunogen

Amino acids D1374-K1657 from the human protein were used as the immunogen for the IQGAP1 antibody.

Storage

After reconstitution, the IQGAP1 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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