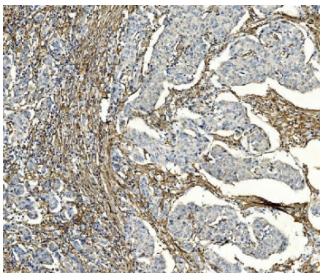
F2R Antibody / PAR1 / Thrombin Receptor (RQ6050)

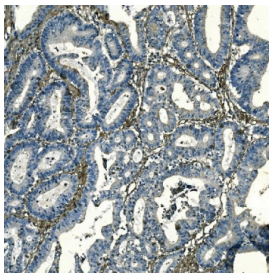
Catalog No.	Formulation	Size
RQ6050	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

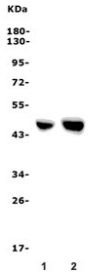
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
UniProt	P25116
Applications	Western Blot : 0.5-1ug/ml Immunohistochemistry : 1-2ug/ml Flow Cytometry : 1-3ug/million cells Direct ELISA : 0.1-0.5ug/ml
Limitations	This F2R antibody is available for research use only.



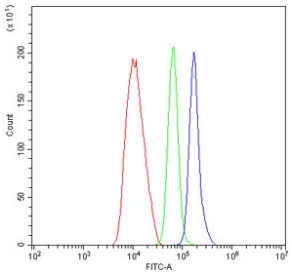
IHC staining of FFPE human breast cancer with F2R antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE human rectal cancer with F2R antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



Western blot testing of human 1) placenta and 2) U-87 MG lysate with F2R antibody. Predicted molecular weight ~47 kDa.



Flow cytometry testing of human HL-60 cells with F2R antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= F2R antibody.

Description

Proteinase-activated receptor 1 (PAR1), also known as the coagulation factor II (thrombin) receptor, is a protein that in humans is encoded by the F2R gene. By fluorescence in situ hybridization, this gene is mapped to 5q13, confirming its presence as a single locus in the human genome. PAR1 is a G protein-coupled receptor involved in the regulation of thrombotic response. Proteolytic cleavage leads to the activation of the receptor. The expression of PAR1 is both required and sufficient to promote growth and invasion of breast carcinoma cells in a xenograft mouse model.

Application Notes

Optimal dilution of the F2R antibody should be determined by the researcher.

Immunogen

Recombinant human protein (amino acids K130-T425) was used as the immunogen for the F2R antibody.

Storage

After reconstitution, the F2R 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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