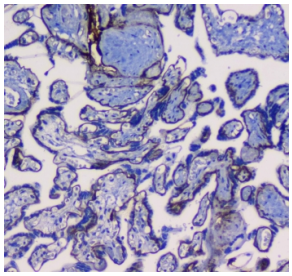
ITGA5 Antibody / Integrin alpha 5 (RQ4096)

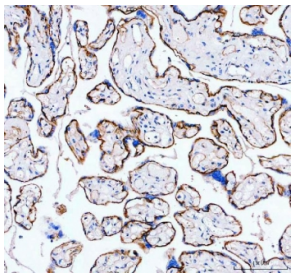
Catalog No.	Formulation	Size
RQ4096	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

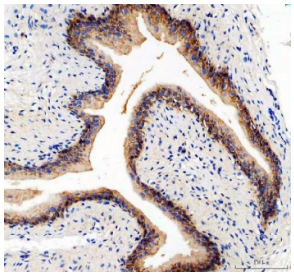
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	P08648
Localization	Membrane
Applications	Western Blot : 0.5-1ug/ml Immunohistochemistry (FFPE) : 2-5ug/ml Direct ELISA : 0.1-0.5ug/ml
Limitations	This ITGA5 antibody is available for research use only.



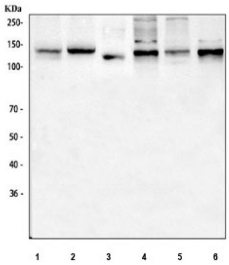
IHC testing of FFPE human placental tissue with ITGA5 antibody. Required HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to testing.



IHC testing of FFPE human placental tissue with ITGA5 antibody. Required HIER: steam section in pH8 EDTA buffer for 20 min and allow to cool prior to testing.



IHC testing of FFPE rat bladder tissue with ITGA5 antibody. Required HIER: steam section in pH8 EDTA buffer for 20 min and allow to cool prior to testing.



Western blot testing of 1) human A549, 2) human HeLa, 3) human placenta, 4) rat brain, 5) rat PC-12 and 6) mouse brain tissue lysate with ITGA5 antibody. Expected molecular weight: 115-160 kDa depending on glycosylation level.

Description

Integrin alpha-5, also known as FNRA or VLA5A, is a protein that in humans is encoded by the ITGA5 gene. The product of this gene belongs to the integrin alpha chain family. Integrins are integral membrane proteins composed of an alpha chain and a beta chain. This gene encodes the integrin alpha 5 chain. Alpha chain 5 undergoes post-translational cleavage in the extracellular domain to yield disulfide-linked light and heavy chains that join with beta 1 to form a fibronectin receptor. In addition to adhesion, integrins are known to participate in cell-surface mediated signalling.

Application Notes

Optimal dilution of the ITGA5 antibody should be determined by the researcher.

Immunogen

A recombinant human partial protein corresponding to amino acids F42-A263 was used as the immunogen for the ITGA5 antibody.

Storage

After reconstitution, the ITGA5 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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