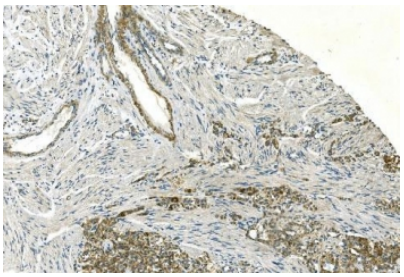
Cadherin 13 Antibody / CDH13 / H Cadherin (RQ6248)

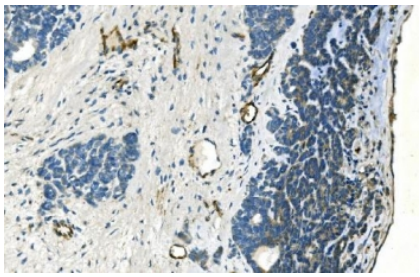
Catalog No.	Formulation	Size
RQ6248	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

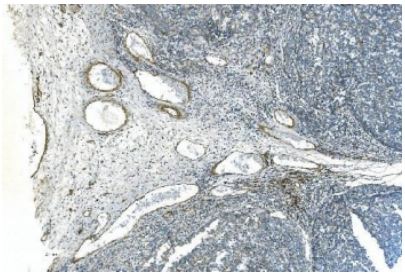
Availability	1-3 business days
Species Reactivity	Human, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	P55290
Applications	Western blot: 1-2ug/ml Immunohistochemistry (FFPE): 2-5ug/ml Immunofluorescence: 5ug/ml Flow cytometry: 1-3ug/million cells Direct ELISA: 0.1-0.5ug/ml
Limitations	This Cadherin 13 antibody is available for research use only.



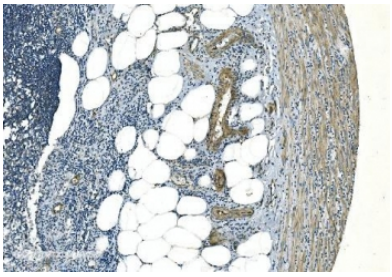
IHC staining of FFPE human renal carcinoma with Cadherin 13 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



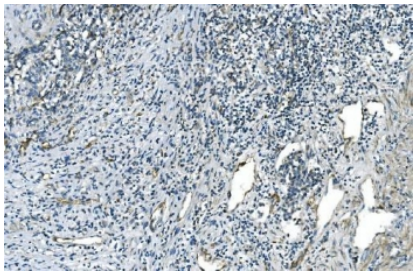
IHC staining of FFPE human ovarian carcinoma with Cadherin 13 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE human melanoma with Cadherin 13 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE human appendicitis tissue with Cadherin 13 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



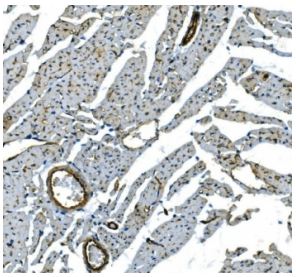
IHC staining of FFPE human gastric cancer with Cadherin 13 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



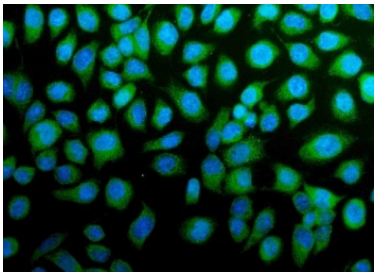
IHC staining of FFPE human skin cancer with Cadherin 13 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



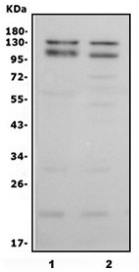
IHC staining of FFPE human skeletal muscle with Cadherin 13 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



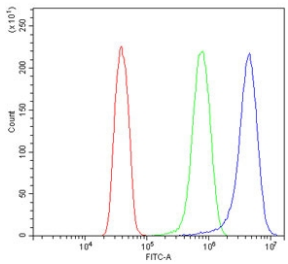
IHC staining of FFPE rat heart with Cadherin 13 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



Immunofluorescent staining of FFPE human SiHa cells with Cadherin 13 antibody (green) and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.



Western blot testing of human 1) U-87 MG and 2) HeLa lysate with Cadherin 13 antibody. Predicted molecular weight ~130 kDa (pro form) and ~105 kDa (cleaved form).



Flow cytometry testing of human HeLa cells with Cadherin 13 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= Cadherin 13 antibody.

Description

H-cadherin (CDH13) is a unique member of cadherin superfamily because it lacks the transmembrane and cytoplasmic domains and is anchored to the cells membrane through the GPI anchor. This protein acts as a negative regulator of axon growth during neural differentiation. It also protects vascular endothelial cells from apoptosis due to oxidative stress, and is associated with resistance to atherosclerosis. The gene is hypermethylated in many types of cancer. Alternative splicing results in multiple transcript variants encoding different isoforms.

Application Notes

Optimal dilution of the Cadherin 13 antibody should be determined by the researcher.

Immunogen

A human recombinant partial protein (amino acids E149-A692) was used as the immunogen for the Cadherin 13 antibody.

Storage

After reconstitution, the Cadherin 13 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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