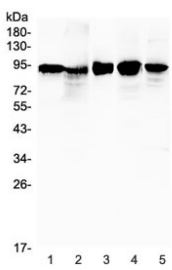
Beta Catenin Antibody (R32807)

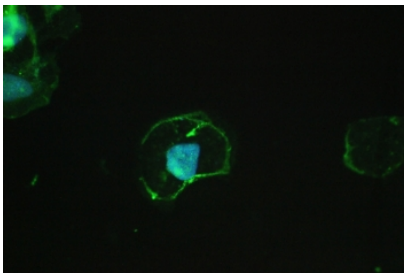
Catalog No.	Formulation	Size
R32807	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

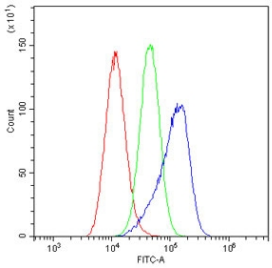
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2% Trehalose, 0.025% sodium azide
UniProt	P35222
Localization	Cell surface, cytoplasmic
Applications	Western Blot : 0.5-1ug/ml Immunohistochemistry (FFPE) : 1-2ug/ml Immunocytochemistry : 2-4ug/ml Immunofluorescence : 5ug/ml Flow Cytometry : 1-3ug/10^6 cells Direct ELISA : 0.1-0.5ug/ml (BSA-free formulation available)
Limitations	This Beta Catenin antibody is available for research use only.



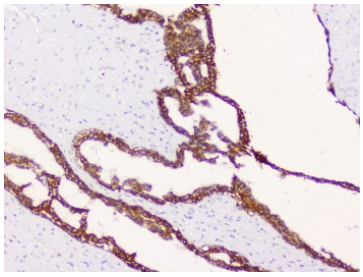
Western blot testing of 1) human placenta, 2) human A431, 3) human SK-OV-3, 4) rat heart and 5) mouse testis lysate with Beta Catenin antibody at 0.5ug/ml. Predicted molecular weight ~85 kDa, but routinely observed at 90-95 kDa.



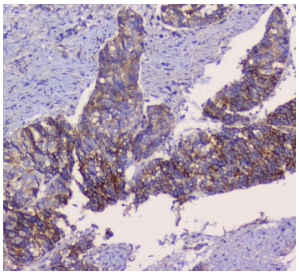
IF/ICC staining of FFPE human A431 cells with Beta Catenin antibody (green) at 2ug/ml and DAPI nuclear stain (blue). Required HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to testing.



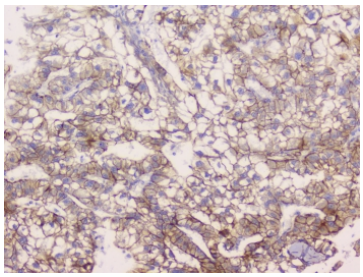
Flow cytometry testing of human A549 cells with Beta Catenin antibody at 1ug/10^6 cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= Beta Catenin antibody.



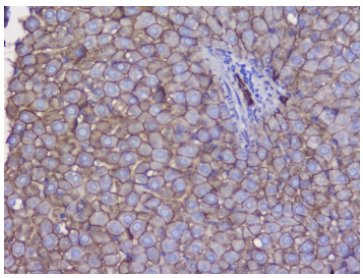
IHC testing of FFPE human breast cancer tissue with Beta Catenin antibody at 1ug/ml. Required HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to testing.



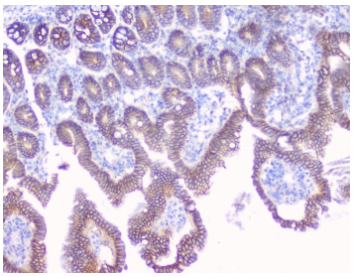
IHC testing of FFPE human prostate cancer tissue with Beta Catenin antibody at 1ug/ml. Required HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to testing.



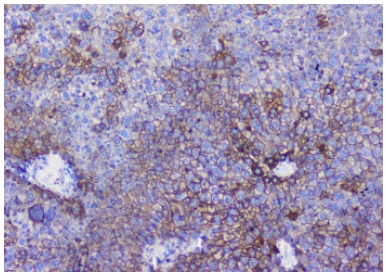
IHC testing of FFPE human liver cancer tissue with Beta Catenin antibody at 1ug/ml. Required HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to testing.



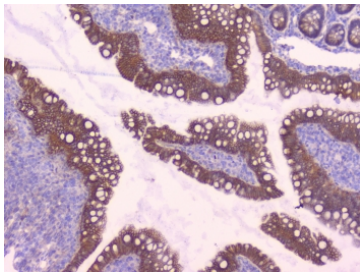
IHC testing of FFPE mouse liver tissue with Beta Catenin antibody at 1ug/ml. Required HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to testing.



IHC testing of FFPE mouse small intestine tissue with Beta Catenin antibody at 1ug/ml. Required HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to testing.



IHC testing of FFPE rat liver tissue with Beta Catenin antibody at 1ug/ml. Required HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to testing.



IHC testing of FFPE rat small intestine tissue with Beta Catenin antibody at 1ug/ml. Required HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to testing.

Description

Catenins are proteins found in complexes with cadherin cell adhesion molecules of animal cells. The first two catenins that were identified became known as alpha-catenin and beta-catenin. Alpha-catenin can bind to beta-catenin and can also bind actin. Beta-catenin binds the cytoplasmic domain of some cadherins. Beta-catenin is an adherens junction protein. It plays an important role in various aspects of liver biology including liver development (both embryonic and postnatal), liver regeneration following partial hepatectomy. HGF-induced hepatpomegaly, liver zonation, and pathogenesis of liver cancer.

Application Notes

Optimal dilution of the Beta Catenin antibody should be determined by the researcher.

Immunogen

A recombinant human protein corresponding to amino acids A2-K233 was used as the immunogen for the Beta Catenin antibody.

Storage

After reconstitution, the Beta Catenin antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.