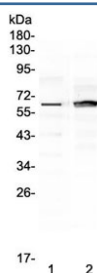


FZD4 Antibody / Frizzled 4 (RQ4100)

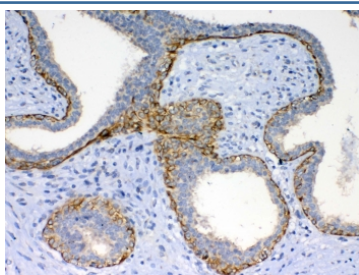
Catalog No.	Formulation	Size
RQ4100	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

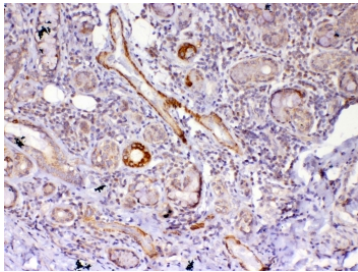
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
UniProt	Q9ULV1
Localization	Cytoplasmic, membrane
Applications	Western Blot : 0.5-1ug/ml Immunohistochemistry (FFPE) : 1-2ug/ml
Limitations	This FZD4 antibody is available for research use only.



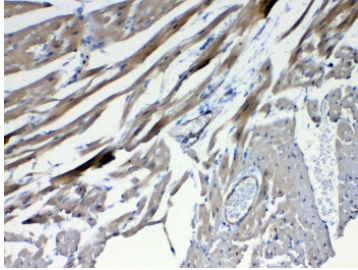
Western blot testing of human 1) placenta and 2) MCF7 lysate with FZD4 antibody at 0.5ug/ml. Predicted molecular weight ~60 kDa.



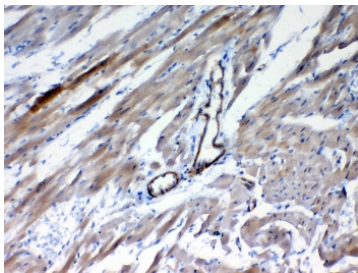
IHC testing of FFPE human breast cancer tissue with FZD4 antibody at 1ug/ml. Required HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to testing.



IHC testing of FFPE human lung cancer tissue with FZD4 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 heart tissue with FZD4 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 heart tissue with FZD4 antibody at 1ug/ml. Required HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to testing.

Description

Frizzled-4 is a protein that in humans is encoded by the FZD4 gene. This gene is a member of the frizzled gene family. Members of this family encode seven-transmembrane domain proteins that are receptors for the Wingless type MMTV integration site family of signaling proteins. Most frizzled receptors are coupled to the beta-catenin canonical signaling pathway. This protein may play a role as a positive regulator of the Wingless type MMTV integration site signaling pathway. A transcript variant retaining intronic sequence and encoding a shorter isoform has been described, however, its expression is not supported by other experimental evidence.

Application Notes

Optimal dilution of the FZD4 antibody should be determined by the researcher.

Immunogen

Amino acids QNLGYNVTKMPNLVGHELQTDALQLTTFTPLIQY from the human protein were used as the immunogen for the FZD4 antibody.

Storage

After reconstitution, the FZD4 antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.

