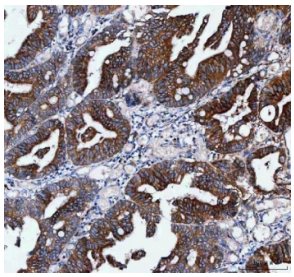
IFT52 Antibody / Intraflagellar transport protein 52 (RQ8638)

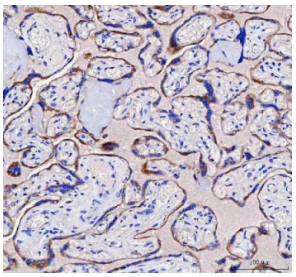
Catalog No.	Formulation	Size
RQ8638	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

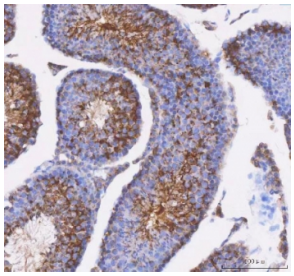
Availability	1-3 days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	Q9Y366
Localization	Cytoplasm
Applications	Western Blot : 0.5-1ug/ml Immunohistochemistry (FFPE) : 2-5ug/ml Immunofluorescence : 5ug/ml Flow Cytometry : 1-3ug/million cells ELISA : 0.1-0.5ug/ml
Limitations	This IFT52 antibody is available for research use only.



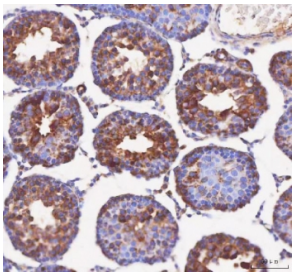
IHC staining of FFPE human colorectal adenocarcinoma tissue with IFT52 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



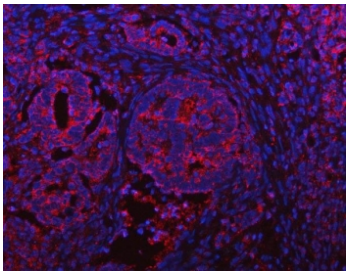
IHC staining of FFPE human placental tissue with IFT52 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



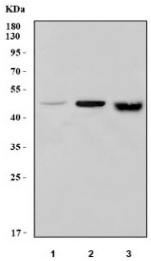
IHC staining of FFPE mouse testis tissue with IFT52 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



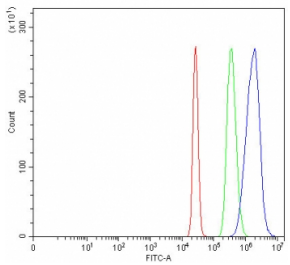
IHC staining of FFPE rat testis tissue with IFT52 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



Immunofluorescent staining of FFPE human intestinal cancer tissue with IFT52 antibody (red) and DAPI nuclear stain (blue). HIER: steam section in pH8 EDTA buffer for 20 min.



Western blot testing of 1) human SH-SY5Y, 2) rat testis and 3) mouse testis tissue with IFT52 antibody. Predicted molecular weight ~50 kDa.



Flow cytometry testing of fixed and permeabilized human HepG2 cells with IFT52 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= IFT52 antibody.

Description

This gene encodes a conserved proline-rich protein that is a component of the intraflagellar transport-B (IFT-B) core complex. The encoded protein is essential for the integrity of the IFT-B core complex, and for biosynthesis and maintenance of cilia. Mutations in this gene are associated with ciliopathy that affects the skeleton.

Application Notes

Optimal dilution of the IFT52 antibody should be determined by the researcher.

Immunogen

An E.coli-derived human recombinant protein (amino acids Q162-L356) was used as the immunogen for the IFT52 antibody.

Storage

After reconstitution, the IFT52 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.