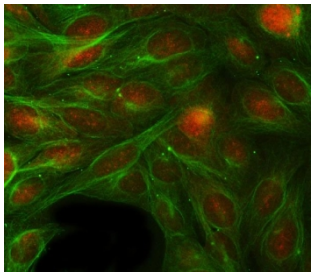
Retinol Binding Protein 1 Antibody / RBP1 (RQ7744)

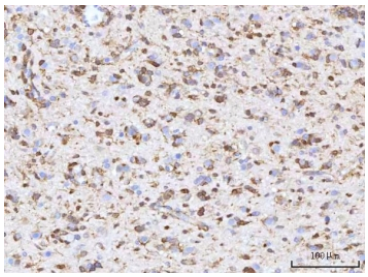
Catalog No.	Formulation	Size
RQ7744	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

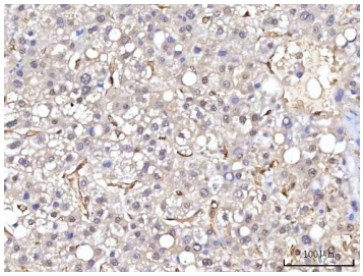
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	P09455
Localization	Cytoplasmic, nuclear
Applications	Western blot: 0.5-1ug/ml Immunohistochemistry (FFPE): 2-5ug/ml Immunofluorescence: 5ug/ml Flow cytometry: 1-3ug/million cells Direct ELISA: 0.1-0.5ug/ml
Limitations	This Retinol Binding Protein 1 antibody is available for research use only.



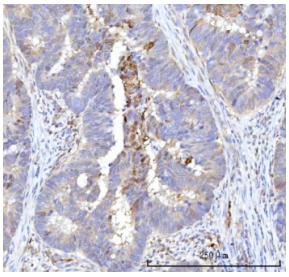
Immunofluorescent staining of FFPE human U-2 OS cells with Retinol Binding Protein 1 antibody (red) and Alpha Tubulin mAb (green). HIER: steam section in pH6 citrate buffer for 20 min.



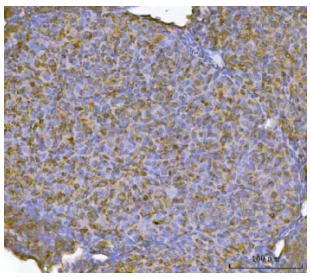
IHC staining of FFPE human glioblastoma tissue with Retinol Binding Protein 1 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



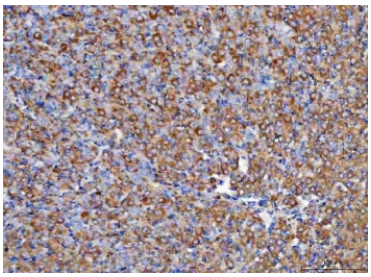
IHC staining of FFPE human liver cancer tissue with Retinol Binding Protein 1 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



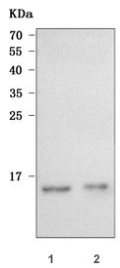
IHC staining of FFPE human rectum adenocarcinoma tissue with Retinol Binding Protein 1 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



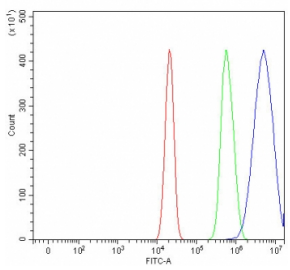
IHC staining of FFPE mouse ovary tissue with Retinol Binding Protein 1 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE rat ovary tissue with Retinol Binding Protein 1 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



Western blot testing of 1) human SH-SY5Y and 2) rat liver tissue lysate with Retinol Binding Protein 1 antibody. Predicted molecular weight ~16 kDa.



Flow cytometry testing of human U-2 OS cells with Retinol Binding Protein 1 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= Retinol Binding Protein 1 antibody.

Description

Retinol binding protein 1, cellular, also known as RBP1, is a protein that in humans is encoded by the RBP1 gene. This gene encodes the carrier protein involved in the transport of retinol (vitamin A alcohol) from the liver storage site to peripheral tissue. Vitamin A is a fat-soluble vitamin necessary for growth, reproduction, differentiation of epithelial tissues, and vision. Multiple transcript variants encoding different isoforms have been found for this gene.

Application Notes

Optimal dilution of the Retinol Binding Protein 1 antibody should be determined by the researcher.

Immunogen

E. coli-derived recombinant human protein (amino acids K10-Q135) was used as the immunogen for the Retinol Binding Protein 1 antibody.

Storage

After reconstitution, the Retinol Binding Protein 1 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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