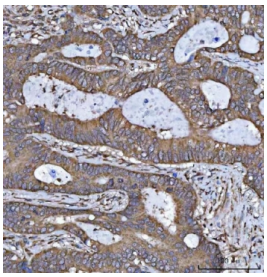
17HSD7 Antibody / HSD17B7 (RQ7371)

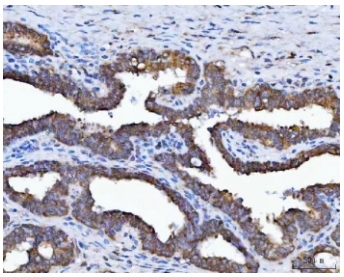
Catalog No.	Formulation	Size
RQ7371	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

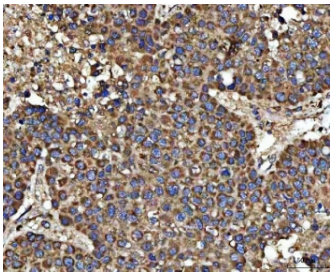
Availability	1-3 business days
Species Reactivity	Human, Rat
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	P56937
Localization	Cytoplasmic (ER)
Applications	Western Blot : 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 17HSD7 antibody is available for research use only.



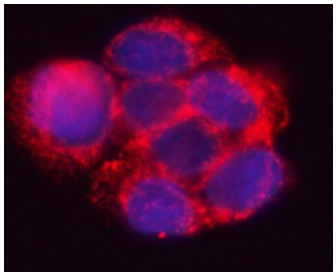
IHC staining of FFPE human colorectal adenocarcinoma tissue with 17HSD7 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



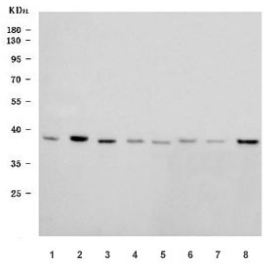
IHC staining of FFPE human prostate cancer tissue with 17HSD7 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



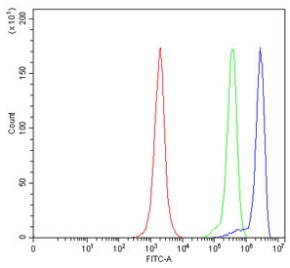
IHC staining of FFPE human liver cancer tissue with 17HSD7 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



Immunofluorescent staining of FFPE human HepG2 cells with 17HSD7 antibody (red) and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.



Western blot testing of 1) human HepG2, 2) human HL60, 3) human 293T, 4) human Jurkat, 5) human RT4, 6) rat liver, 7) rat lung and 8) rat RH35 cell lysate with 17HSD7 antibody. Predicted molecular weight ~38 kDa.



Flow cytometry testing of human JK cells with 17HSD7 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= 17HSD7 antibody.

Description

3-keto-steroid reductase is an enzyme that in humans is encoded by the HSD17B7 gene. HSD17B7 encodes an enzyme that functions both as a 17-beta-hydroxysteroid dehydrogenase (EC 1.1.1.62) in the biosynthesis of sex steroids and as a 3-ketosteroid reductase (EC 1.1.1.270) in the biosynthesis of cholesterol.

Application Notes

Optimal dilution of the 17HSD7 antibody should be determined by the researcher.

Immunogen

Recombinant human protein (amino acids L16-L336) was used as the immunogen for the 17HSD7 antibody.

Storage

After reconstitution, the 17HSD7 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.