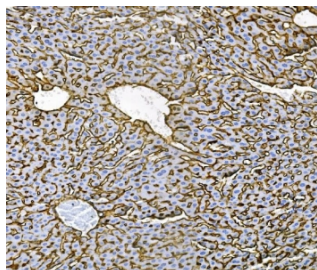


Cd81 Antibody (RQ4083)

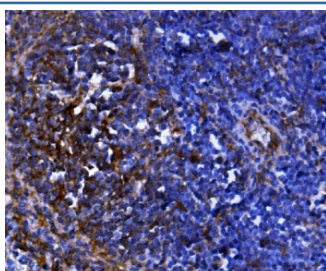
Catalog No.	Formulation	Size
RQ4083	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

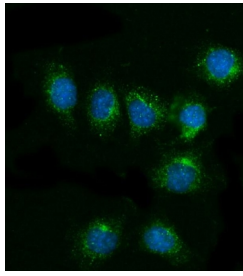
Availability	1-3 business days
Species Reactivity	Mouse, Rat
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
UniProt	P35762
Applications	Western Blot : 0.5-1ug/ml Immunohistochemistry (FFPE) : 1-2ug/ml Immunofluorescence (FFPE) : 5ug/ml Direct ELISA : 0.1-0.5ug/ml
Limitations	This Cd81 antibody is available for research use only.



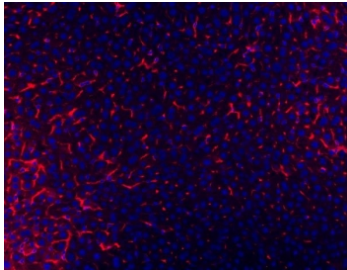
IHC staining of FFPE mouse spleen with Cd81 antibody. HIER: boil tissue sections in pH8 EDTA buffer for 20 min and allow to cool before testing.



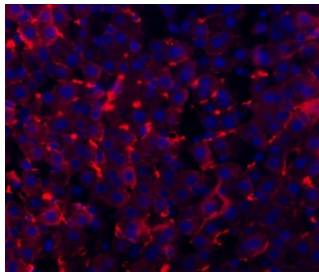
IHC staining of FFPE mouse liver with Cd81 antibody. HIER: boil tissue sections in pH8 EDTA buffer for 20 min and allow to cool before testing. Green=isotype control, Blue=Cd81 antibody.



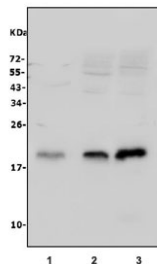
Immunofluorescent staining of FFPE mouse RM-1 cells with Cd81 antibody (green) and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.



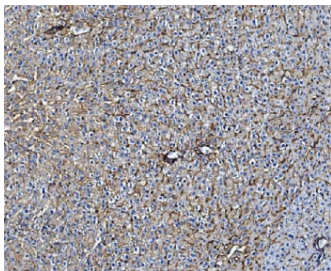
Immunofluorescent staining of FFPE mouse liver tissue with Cd81 antibody (red) and DAPI nuclear stain (blue). HIER: steam section in pH8 EDTA buffer for 20 min.



Immunofluorescent staining of FFPE rat liver tissue with Cd81 antibody (red) and DAPI nuclear stain (blue). HIER: steam section in pH8 EDTA buffer for 20 min.



Western blot testing of mouse 1) thymus, 2) SP2/0 and 3) NIH 3T3 lysate with Cd81 antibody. Predicted molecular weight: 22-26 kDa.



IHC staining of FFPE rat liver with Cd81 antibody. HIER: boil tissue sections in pH8 EDTA buffer for 20 min and allow to cool before testing. Green=isotype control, Blue=Cd81 antibody.

Description

CD81 molecule, also known as TAPA1, is a protein which in humans is encoded by the CD81 gene. The protein encoded by this gene is a member of the transmembrane 4 superfamily, also known as the tetraspanin family. Most of these members are cell-surface proteins that are characterized by the presence of four hydrophobic domains. The proteins mediate signal transduction events that play a role in the regulation of cell development, activation, growth and motility. This encoded protein is a cell surface glycoprotein that is known to complex with integrins. This protein appears to promote muscle cell fusion and support myotube maintenance. Also it may be involved in signal transduction. This gene is localized in the tumor-suppressor gene region and thus it is a candidate gene for malignancies. Two transcript variants

encoding different isoforms have been found for this gene.

Application Notes

Optimal dilution of the Cd81 antibody should be determined by the researcher.

Immunogen

A recombinant mouse partial protein corresponding to amino acids K116-K201 was used as the immunogen for the Cd81 antibody.

Storage

After reconstitution, the Cd81 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.