Best Tools for immunology Research

CD81 Polyclonal Antibody

Catalog No :	YT5394
Reactivity :	Human;Mouse;Rat
Applications :	IF;WB;ELISA
Target :	CD81
Fields :	>>B cell receptor signaling pathway;>>Malaria;>>Hepatitis C
Gene Name :	CD81
Protein Name :	CD81 antigen
Human Gene Id :	975
Human Swiss Prot No :	P60033
Mouse Gene Id :	12520
Mouse Swiss Prot No :	P35762
Rat Gene Id :	25621
Rat Swiss Prot No :	Q62745
Immunogen :	The antiserum was produced against synthesized peptide derived from the Internal region of human CD81. AA range:111-160
Specificity :	CD81 Polyclonal Antibody detects endogenous levels of CD81 protein.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	IF 1:50-200 WB 1:500 - 1:2000. ELISA: 1:20000. Not yet tested in other applications.

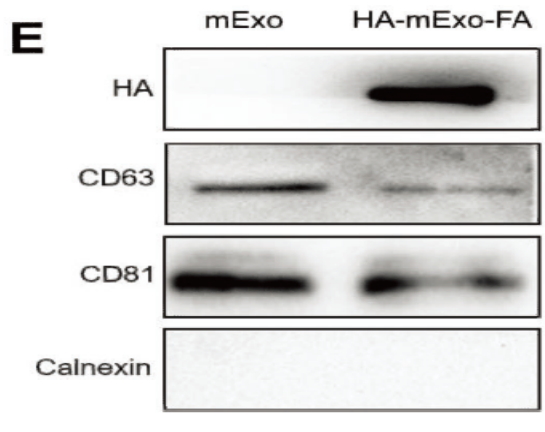
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Observed Band :	26kD
Cell Pathway :	B_Cell_Antigen;
Background :	The protein 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. [provided by RefSeq, Jul 2014],
Function :	function:May play an important role in the regulation of lymphoma cell growth. Interacts with a 16-kDa Leu-13 protein to form a complex possibly involved in signal transduction. May acts a the viral receptor for HCV.,PTM:Not glycosylated.,similarity:Belongs to the tetraspanin (TM4SF) family.,subunit:Plays a critical role in HCV attachment and/or cell entry by interacting with HCV E1/E2 glycoproteins heterodimer. Interacts directly with IGSF8.,tissue specificity:Hematolymphoid, neuroectodermal and mesenchymal tumor cell lines.,
Subcellular Location :	Cell membrane ; Multi-pass membrane protein . Basolateral cell membrane ; Multi-pass membrane protein . Associates with CLDN1 and the CLDN1-CD81 complex localizes to the basolateral cell membrane. .
Expression :	Expressed on B cells (at protein level) (PubMed:20237408). Expressed in hepatocytes (at protein level) (PubMed:12483205). Expressed in monocytes/macrophages (at protein level) (PubMed:12796480). Expressed on both naive and memory CD4-positive T cells (at protein level) (PubMed:22307619).
Tag :	orthogonal,hot
Sort :	1
No3 :	ab219209

No4 : 1

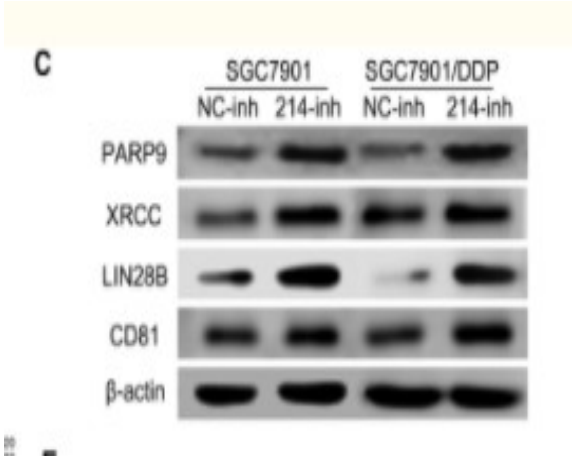
Host : Rabbit

Modifications : Unmodified

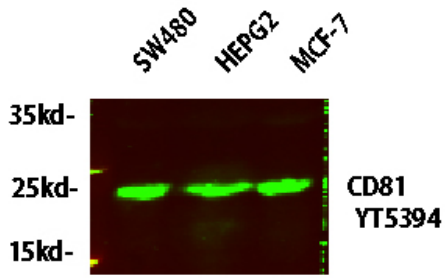
Products Images



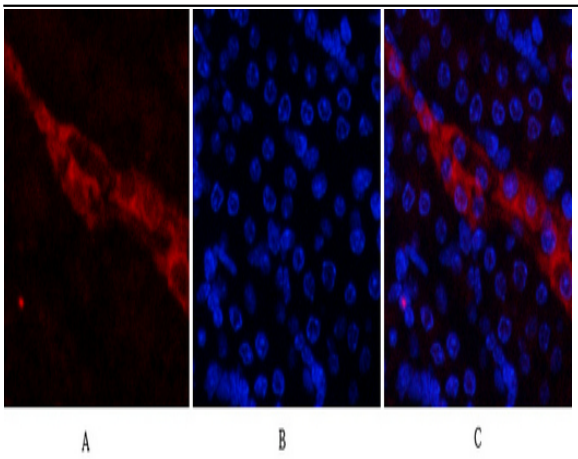
CD44-targeting Drug Delivery System of Exosomes Loading Forsythiaside A Combats Liver Fibrosis via Regulating NLRP3-mediated Pyroptosis Advanced Healthcare Materials Cheng Peng WB Bovine exosomes



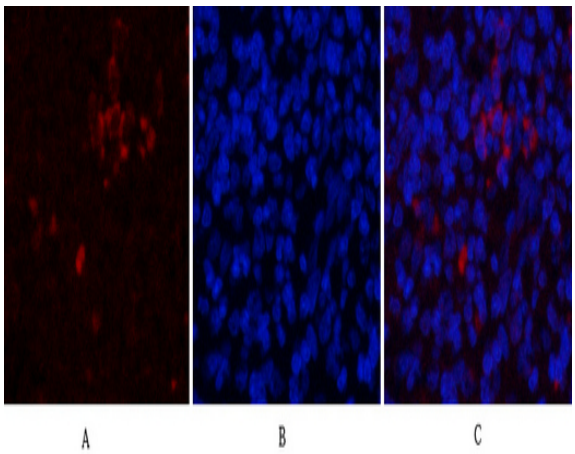
Wang, Xinyi, et al. "Exosomes serve as nanoparticles to deliver anti-miR-214 to reverse chemoresistance to cisplatin in gastric cancer." Molecular Therapy 26.3 (2018): 774-783.



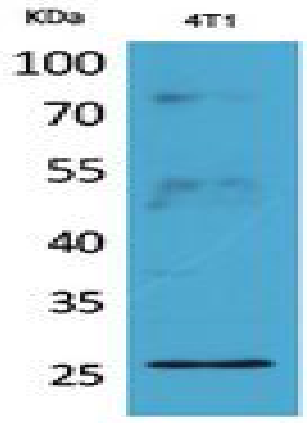
Western blot analysis of lysates from HT-29, NIH/3T3, and HepG2 cells, primary antibody was diluted at 1:1000, 4° over night, secondary antibody(cat: RS23920)was diluted at 1:10000, 37° 1hour.



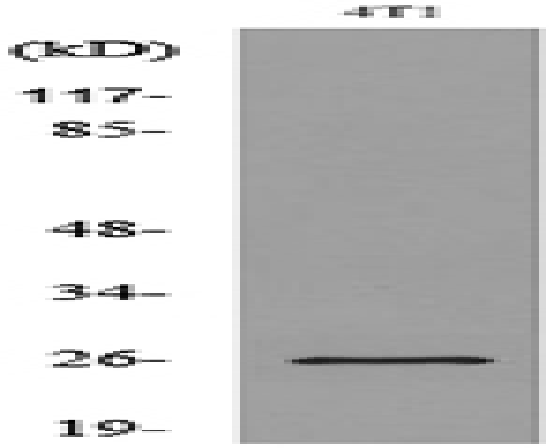
Immunofluorescence analysis of mouse-kidney tissue. 1,CD81 Polyclonal Antibody(red) was diluted at 1:200(4°C,overnight). 2, Cy3 labled Secondary antibody was diluted at 1:300(room temperature, 50min).3, Picture B: DAPI(blue) 10min. Picture A:Target. Picture B: DAPI. Picture C: merge of A+B



Immunofluorescence analysis of rat-spleen tissue. 1,CD81 Polyclonal Antibody(red) was diluted at 1:200(4°C,overnight). 2, Cy3 labled Secondary antibody was diluted at 1:300(room temperature, 50min).3, Picture B: DAPI(blue) 10min. Picture A:Target. Picture B: DAPI. Picture C: merge of A+B



Western Blot analysis of 4T1 cells using CD81 Polyclonal Antibody. Antibody was diluted at 1:2000. Secondary antibody(catalog#:RS0002) was diluted at 1:20000



Western blot analysis of lysate from 4T1 cells, using CD81 Antibody.