

LOC51255 Antibody (monoclonal) (M01)**Mouse monoclonal antibody raised against a partial recombinant RNF181.****Catalog # AT2734a****Specification**

LOC51255 Antibody (monoclonal) (M01) - Product Information

Application	WB, IP, E
Primary Accession	Q9P0P0
Other Accession	NM_016494
Reactivity	Human
Host	mouse
Clonality	Monoclonal
Isotype	IgG2a Kappa
Calculated MW	17909

LOC51255 Antibody (monoclonal) (M01) - Additional Information**Gene ID** 51255**Other Names**

E3 ubiquitin-protein ligase RNF181, 632-, RING finger protein 181, RNF181

Target/Specificity

RNF181 (NP_057578, 90 a.a. ~ 153 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Dilution

WB~~1:500~1000

IP~~N/A

E~~N/A

Format

Clear, colorless solution in phosphate buffered saline, pH 7.2 .

Storage

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Precautions

LOC51255 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

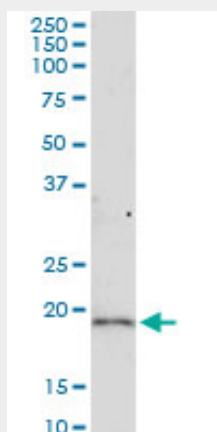
LOC51255 Antibody (monoclonal) (M01) - Protocols

Provided below are standard protocols that you may find useful for product applications.

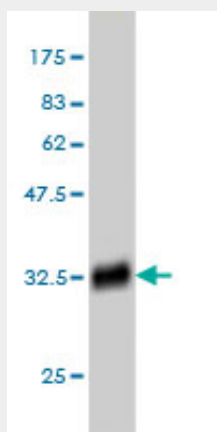
- [Western Blot](#)
- [Blocking Peptides](#)

- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

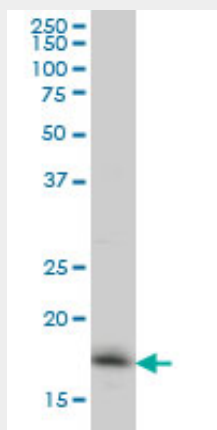
LOC51255 Antibody (monoclonal) (M01) - Images



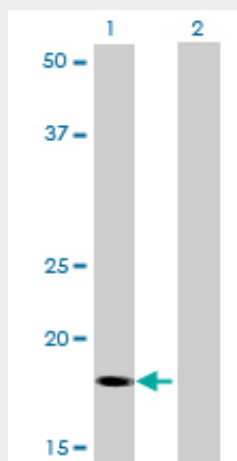
Immunoprecipitation of RNF181 transfected lysate using anti-RNF181 monoclonal antibody and Protein A Magnetic Bead ([U0007](#)), and immunoblotted with RNF181 monoclonal antibody.



Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (32.78 KDa) .



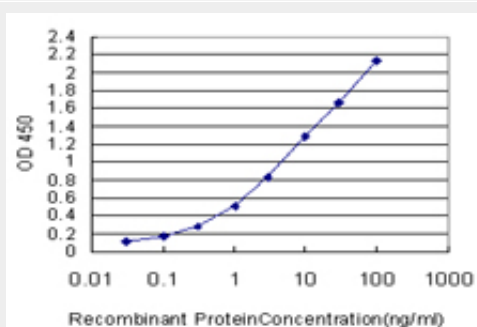
RNF181 monoclonal antibody (M01), clone 5A7 Western Blot analysis of RNF181 expression in Jurkat (Cat # AT2734a)



Western Blot analysis of RNF181 expression in transfected 293T cell line by RNF181 monoclonal antibody (M01), clone 5A7.

Lane 1: RNF181 transfected lysate(17.9 kDa).

Lane 2: Non-transfected lysate.



Detection limit for recombinant GST tagged RNF181 is approximately 0.1ng/ml as a capture antibody.

LOC51255 Antibody (monoclonal) (M01) - Background

RNF181 binds the integrin alpha-IIb (ITGA2B; MIM 607759)/beta-3 (ITGB3; MIM 173470) complex and has E3 ubiquitin ligase activity (Brophy et al., 2008 [PubMed 18331836]).

LOC51255 Antibody (monoclonal) (M01) - References

[Construction of recombinant eukaryotic expression vector pDsRed1-C3/LOC51255 and subcellular localization of LOC51255 protein in HePG2 cell line] Huang X, et al. Xi Bao Yu Fen Zi Mian Yi Xue Za Zhi, 2009 May. PMID 19426595. RNF181, a novel ubiquitin E3 ligase that interacts with the KVGFFKR motif of platelet integrin alpha(IIb)beta3. Brophy TM, et al. Biochem Biophys Res Commun, 2008 May 16. PMID 18331836. Identification of intrahepatic cholangiocarcinoma related genes by comparison with normal liver tissues using expressed sequence tags. Wang AG, et al. Biochem Biophys Res Commun, 2006 Jul 7. PMID 16712791. ICln, a novel integrin alphaIIb beta3-associated protein, functionally regulates platelet activation. Larkin D, et al. J Biol Chem, 2004 Jun 25. PMID 15075326. Generation and initial analysis of more than 15,000 full-length human and mouse cDNA sequences. Strausberg RL, et al. Proc Natl Acad Sci U S A, 2002 Dec 24. PMID 12477932.