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LOC51255 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant RNF181.
Catalog # AT2734a

Product Information

Application	WB, IP, E
Primary Accession	Q9P0P0
Other Accession	NM_016494
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG2a Kappa
Clone Names	5A7
Calculated MW	17909

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.

Background

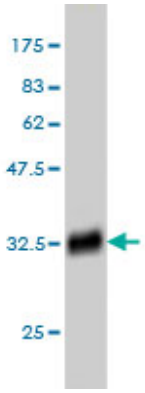
RNF181 binds the integrin alpha-IIb (ITGA2B; MIM 607759)/beta-3 (ITGB3; MIM 173470) complex and has E3 ubiquitin ligase activity (Brophy et al., 2008 [PubMed 18331836]).

References

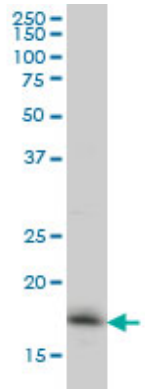
[Construction of recombinant eukaryotic expression vector pDsRed1-C3/LOC51255 and subcellular localization of LOC51255 protein in HePG2 cell line] Huang X, et al. Xi Bao Yu Fen Zi Mian Yi Xue Za Zhi, 2009 May. PMID 19426595.RN181, a novel ubiquitin E3 ligase that interacts with the KVGFFKR motif of platelet 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 alphaIIbbeta3-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.

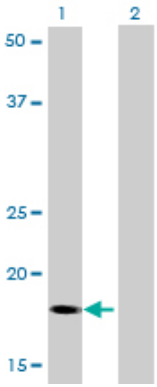
Images



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

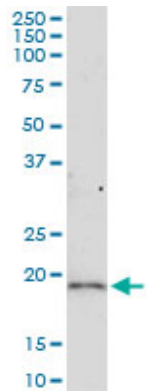


RNF181 monoclonal antibody (M01), clone 5A7 Western Blot analysis of RNF181 expression in Jurkat ((Cat # AT2734a)

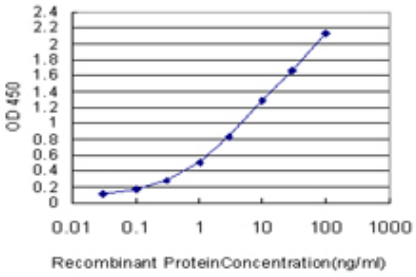


Western Blot analysis of RNF181 expression in transfected 293T cell line by RNF181 monoclonal antibody (M01), clone 5A7.

Lane 1: RNF181 transfected lysate(17.9 KDa).
Lane 2: Non-transfected lysate.



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



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

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.