

ROD1 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant ROD1.

Catalog # AT3689a

Product Information

Application	WB, IHC, IF
Primary Accession	O95758
Other Accession	NM_005156
Reactivity	Human, Mouse, Rat
Host	mouse
Clonality	monoclonal
Isotype	IgG1 Kappa
Clone Names	4C9
Calculated MW	59690

Additional Information

Gene ID	9991
Other Names	Polypyrimidine tract-binding protein 3, Regulator of differentiation 1, Rod1, PTBP3, ROD1
Target/Specificity	ROD1 (NP_005147, 16 a.a. ~ 114 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000 IHC~~1:100~500 IF~~1:50~200
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	ROD1 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

Background

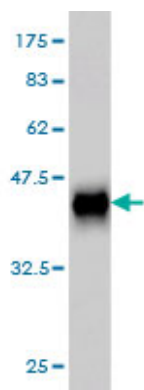
ROD1 is a functional homolog of nrd1, an *S. pombe* RNA-binding protein that suppresses the onset of differentiation.

References

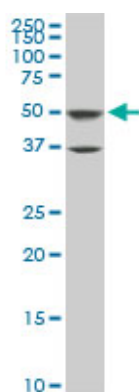
Personalized smoking cessation: interactions between nicotine dose, dependence and quit-success genotype score. Rose JE, et al. Mol Med, 2010 Jul-Aug. PMID 20379614. Regulator of differentiation 1 (ROD1) binds to the amphipathic C-terminal peptide of thrombospondin-4 and is involved in its mitogenic activity. Sadvakassova G, et al. J Cell Physiol, 2009 Sep. PMID 19441079. The status, quality, and expansion of the NIH

full-length cDNA project: the Mammalian Gene Collection (MGC). Gerhard DS, et al. Genome Res, 2004 Oct. PMID 15489334. Transcriptome characterization elucidates signaling networks that control human ES cell growth and differentiation. Brandenberger R, et al. Nat Biotechnol, 2004 Jun. PMID 15146197. Complete sequencing and characterization of 21,243 full-length human cDNAs. Ota T, et al. Nat Genet, 2004 Jan. PMID 14702039.

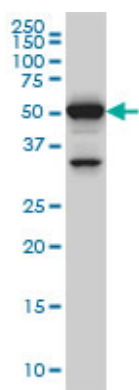
Images



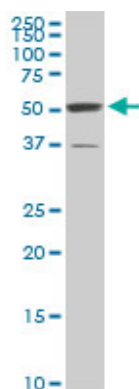
Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.63 KDa) .



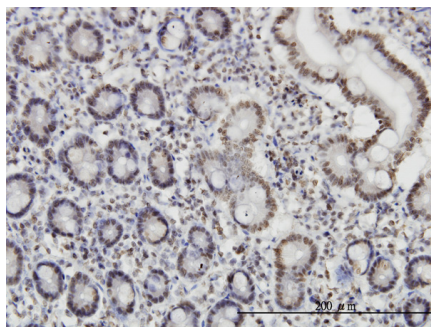
ROD1 monoclonal antibody (M01), clone 4C9. Western Blot analysis of ROD1 expression in PC-12 (Cat # AT3689a)



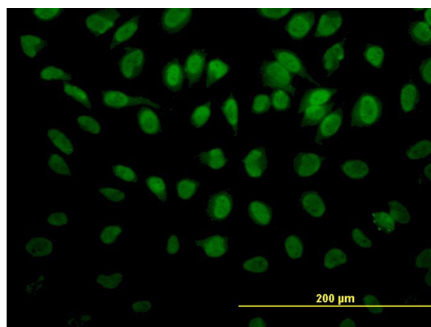
ROD1 monoclonal antibody (M01), clone 4C9 Western Blot analysis of ROD1 expression in Hela S3 NE (Cat # AT3689a)



ROD1 monoclonal antibody (M01), clone 4C9. Western Blot analysis of ROD1 expression in NIH/3T3 (Cat # AT3689a)



Immunoperoxidase of monoclonal antibody to ROD1 on formalin-fixed paraffin-embedded human small Intestine. [antibody concentration 3 ug/ml]



Immunofluorescence of monoclonal antibody to ROD1 on HeLa cell. [antibody concentration 20 ug/ml]

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