

ROD1 Antibody (monoclonal) (M01)**Mouse monoclonal antibody raised against a partial recombinant ROD1.****Catalog # AT3689a****Specification**

ROD1 Antibody (monoclonal) (M01) - Product Information

Application	IF, WB, IHC
Primary Accession	O95758
Other Accession	NM_005156
Reactivity	Human, Mouse, Rat
Host	mouse
Clonality	Monoclonal
Isotype	IgG1 Kappa
Calculated MW	59690

ROD1 Antibody (monoclonal) (M01) - 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

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.

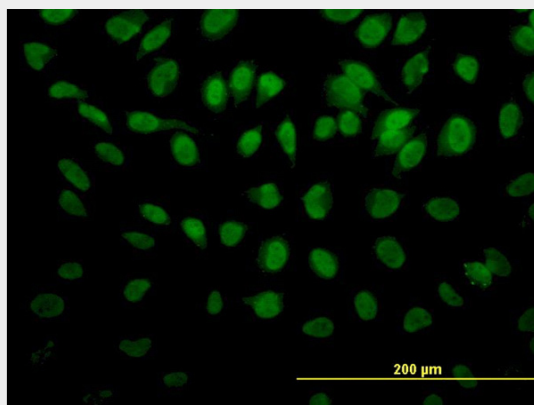
ROD1 Antibody (monoclonal) (M01) - Protocols

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

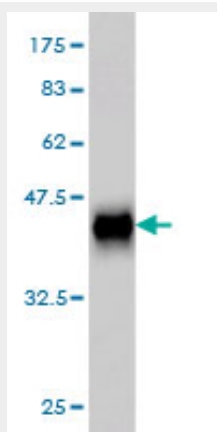
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)

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

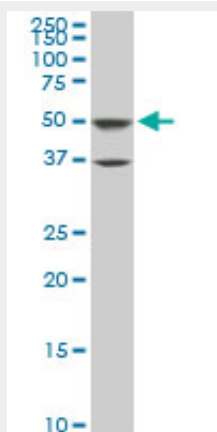
ROD1 Antibody (monoclonal) (M01) - Images



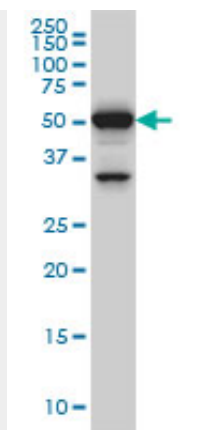
Immunofluorescence of monoclonal antibody to ROD1 on HeLa cell. [antibody concentration 20 ug/ml]



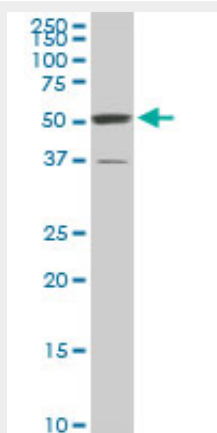
Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.63 KDa) .



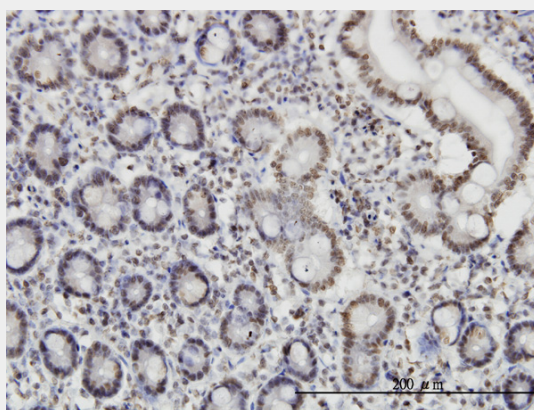
ROD1 monoclonal antibody (M01), clone 4C9. Western Blot analysis of ROD1 expression in PC-12 (Cat # AT3689a)



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]

ROD1 Antibody (monoclonal) (M01) - Background

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

ROD1 Antibody (monoclonal) (M01) - 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.