

RNF6 Antibody (monoclonal) (M01)**Mouse monoclonal antibody raised against a partial recombinant RNF6.****Catalog # AT3678a****Specification**

RNF6 Antibody (monoclonal) (M01) - Product Information

Application	WB, IF, E
Primary Accession	O9Y252
Other Accession	NM_005977
Reactivity	Human
Host	mouse
Clonality	Monoclonal
Isotype	IgG2a Kappa
Calculated MW	78091

RNF6 Antibody (monoclonal) (M01) - Additional Information**Gene ID** 6049**Other Names**

E3 ubiquitin-protein ligase RNF6, 632-, RNF6, SPG2

Target/Specificity

RNF6 (NP_005968, 1 a.a. ~ 100 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Dilution

WB~~1:500~1000

IF~~1:50~200

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

RNF6 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

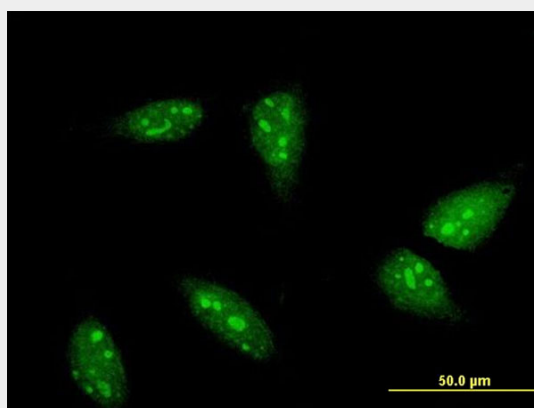
RNF6 Antibody (monoclonal) (M01) - Protocols

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

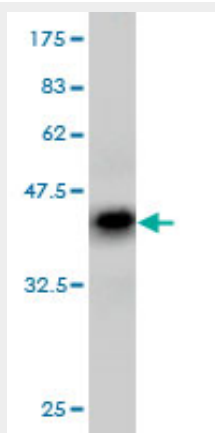
- [Western Blot](#)
- [Blocking Peptides](#)

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

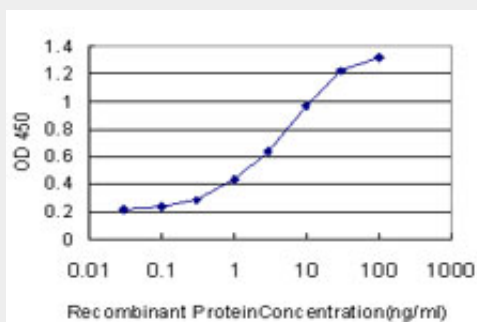
RNF6 Antibody (monoclonal) (M01) - Images



Immunofluorescence of monoclonal antibody to RNF6 on HeLa cell . [antibody concentration 10 ug/ml]



Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.74 KDa) .



Detection limit for recombinant GST tagged RNF6 is approximately 0.03ng/ml as a capture antibody.

RNF6 Antibody (monoclonal) (M01) - Background

The protein encoded by this gene contains a RING-H2 finger motif. Deletions and mutations in this gene were detected in esophageal squamous cell carcinoma (ESCC), suggesting that this protein may be a potential tumor suppressor. Studies of the mouse counterpart suggested a role of this protein in the transcription regulation that controls germinal differentiation. Multiple alternatively spliced transcript variants encoding the same protein are observed.

RNF6 Antibody (monoclonal) (M01) - References

Regulation of androgen receptor transcriptional activity and specificity by RNF6-induced ubiquitination. Xu K, et al. Cancer Cell, 2009 Apr 7. PMID 19345326. Cloning and identification of a novel RNF6 transcriptional splice variant Spg2 in human development. Zhu L, et al. Sci China C Life Sci, 2008 Apr. PMID 18368307. The ubiquitin ligase Rnf6 regulates local LIM kinase 1 levels in axonal growth cones. Tursun B, et al. Genes Dev, 2005 Oct 1. PMID 16204183. 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. 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.