

## RNF6 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant RNF6.

Catalog # AT3678a

### Product Information

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<b>Application</b>	WB, IF, E
<b>Primary Accession</b>	<a href="#">Q9Y252</a>
<b>Other Accession</b>	<a href="#">NM_005977</a>
<b>Reactivity</b>	Human
<b>Host</b>	mouse
<b>Clonality</b>	monoclonal
<b>Isotype</b>	IgG2a Kappa
<b>Clone Names</b>	3B1
<b>Calculated MW</b>	78091

### Additional Information

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<b>Gene ID</b>	6049
<b>Other Names</b>	E3 ubiquitin-protein ligase RNF6, 632-, RNF6, SPG2
<b>Target/Specificity</b>	RNF6 (NP_005968, 1 a.a. ~ 100 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
<b>Dilution</b>	WB~~1:500~1000 IF~~1:50~200 E~~N/A
<b>Format</b>	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
<b>Storage</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
<b>Precautions</b>	RNF6 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

### Background

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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.

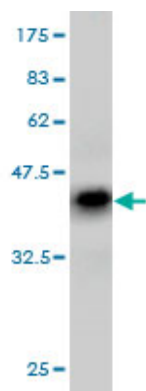
### References

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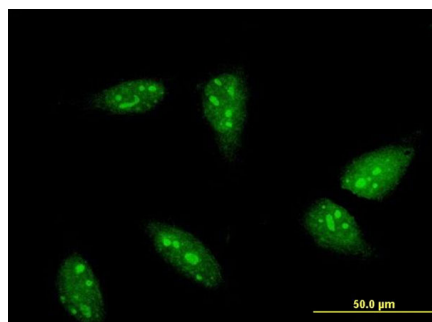
Regulation of androgen receptor transcriptional activity and specificity by RNF6-induced ubiquitination. Xu K, et al. Cancer Cell, 2009 Apr 7. PMID 19345326. Cloning and identification of a novel RNF6 transcriptional

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.

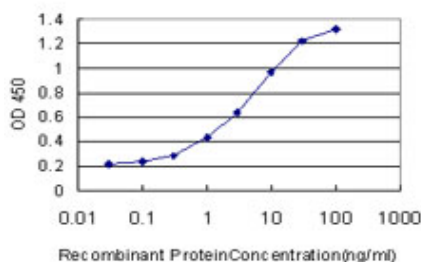
## Images



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



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



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

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