10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

# RNF6 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant RNF6.
Catalog # AT3678a

## Product Information

| | |
|---|---|
| **Application** | WB, IF, E |
| **Primary Accession** | Q9Y252 |
| **Other Accession** | NM_005977 |
| **Reactivity** | Human |
| **Host** | mouse |
| **Clonality** | monoclonal |
| **Isotype** | IgG2a Kappa |
| **Clone Names** | 3B1 |
| **Calculated MW** | 78091 |

## 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. |

## Background

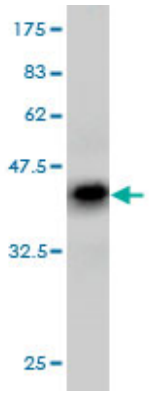
The protein encoded by this gene contains a RING-H2 finger motif. Deletions and mutations in this gene were detected in esophageal squamous cell carcinoma (ESCC), suggesting that this protein may be a potential tumor suppressor. Studies of the mouse counterpart suggested a role of this protein in the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

## References

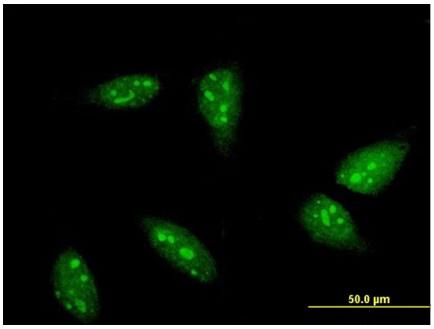
Regulation of androgen receptor transcriptional activity and specificity by RNF6-induced ubiquitination. Xu K, et al. Cancer Cell, 2009 Apr 7. PMID 19345326.Cloning and identification of a novel RNF6 transcriptional

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.

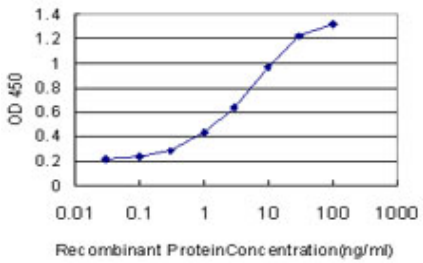
## Images




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'.