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

RBBP6 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant RBBP6.
Catalog # AT3588a

Product Information

Application	WB, IHC, IF, E
Primary Accession	Q7Z6E9
Other Accession	NM_006910
Reactivity	Human
Host	Mouse
Clonality	monoclonal
Isotype	IgG1 Kappa
Clone Names	5A11
Calculated MW	201564

Additional Information

Gene ID	5930
Other Names	E3 ubiquitin-protein ligase RBBP6, 632-, Proliferation potential-related protein, Protein P2P-R, Retinoblastoma-binding Q protein 1, RBQ-1, Retinoblastoma-binding protein 6, p53-associated cellular protein of testis, RBBP6, P2PR, PACT, RBQ1
Target/Specificity	RBBP6 (NP_008841, 1582 a.a. ~ 1691 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~~10ug/ml 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	RBBP6 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

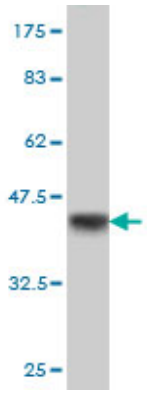
Background

The retinoblastoma tumor suppressor (pRB) protein binds with many other proteins. In various human cancers, pRB suppresses cellular proliferation and is inactivated. Cell cycle-dependent phosphorylation regulates the activity of pRB. This gene encodes a protein which binds to underphosphorylated but not phosphorylated pRB. Multiple alternatively spliced transcript variants that encode different isoforms have been found for this gene.

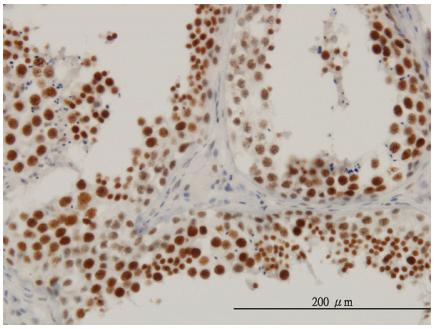
References

Voxelwise genome-wide association study (vGWAS). Stein JL, et al. Neuroimage, 2010 Nov 15. PMID 20171287.RBBP6 interacts with multifunctional protein YB-1 through its RING finger domain, leading to ubiquitination and proteosomal degradation of YB-1. Chibi M, et al. J Mol Biol, 2008 Dec 26. PMID 18851979.Protein interaction data set highlighted with human Ras-MAPK/PI3K signaling pathways. Wang J, et al. J Proteome Res, 2008 Sep. PMID 18624398.PACT is a negative regulator of p53 and essential for cell growth and embryonic development. Li L, et al. Proc Natl Acad Sci U S A, 2007 May 8. PMID 17470788.Global, in vivo, and site-specific phosphorylation dynamics in signaling networks. Olsen JV, et al. Cell, 2006 Nov 3. PMID 17081983.

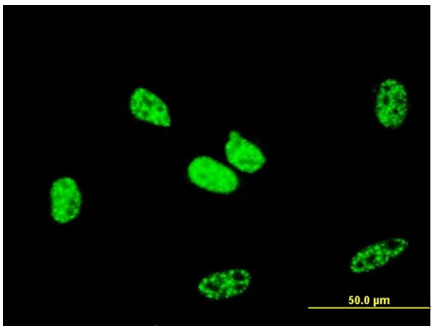
Images



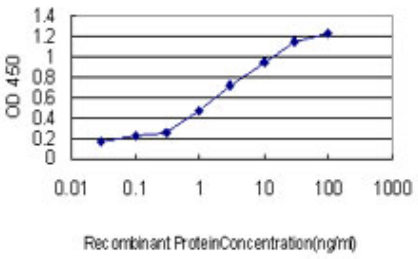
Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (37.84 KDa) .



Immunoperoxidase of monoclonal antibody to RBBP6 on formalin-fixed paraffin-embedded human testis. [antibody concentration 3 ug/ml]



Immunofluorescence of monoclonal antibody to RBBP6 on HeLa cell . [antibody concentration 10 ug/ml]



Detection limit for recombinant GST tagged RBBP6 is approximately 0.1ng/ml as a capture antibody.

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