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

RBBP4 Antibody (monoclonal) (M02)

Mouse monoclonal antibody raised against a partial recombinant RBBP4.

Catalog # AT3587a

Specification

RBBP4 Antibody (monoclonal) (M02) - Product Information

Application	**IF, WB**
Primary Accession	Q09028
Other Accession	NM_005610
Reactivity	**Human**
Host	**mouse**
Clonality	**Monoclonal**
Isotype	**IgG2a Kappa**
Calculated MW	**47656**

RBBP4 Antibody (monoclonal) (M02) - Additional Information

Gene ID 5928

Other Names
Histone-binding protein RBBP4, Chromatin assembly factor 1 subunit C, CAF-1 subunit C, Chromatin assembly factor I p48 subunit, CAF-I 48 kDa subunit, CAF-I p48, Nucleosome-remodeling factor subunit RBAP48, Retinoblastoma-binding protein 4, RBBP-4, Retinoblastoma-binding protein p48, RBBP4, RBAP48

Target/Specificity
RBBP4 (NP_005601, 316 a.a. ~ 426 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
RBBP4 Antibody (monoclonal) (M02) is for research use only and not for use in diagnostic or therapeutic procedures.

RBBP4 Antibody (monoclonal) (M02) - Protocols

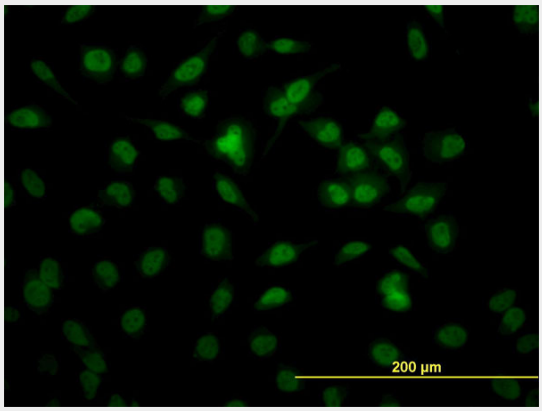
Provided below are standard protocols that you may find useful for product applications.

- Western Blot

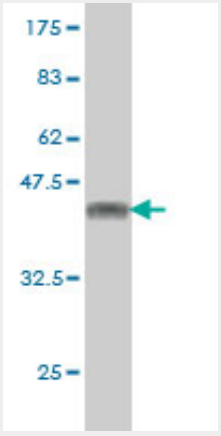
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- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

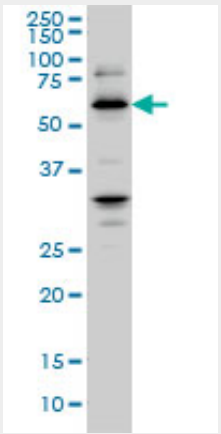
RBBP4 Antibody (monoclonal) (M02) - Images



Immunofluorescence of monoclonal antibody to RBBP4 on HeLa cell. [antibody concentration 10 ug/ml]



Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (38.21 KDa) .



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RBBP4 monoclonal antibody (M02), clone 4A5 Western Blot analysis of RBBP4 expression in Hela S3 NE ((Cat # AT3587a)

RBBP4 Antibody (monoclonal) (M02) - Background

This gene encodes a ubiquitously expressed nuclear protein which belongs to a highly conserved subfamily of WD-repeat proteins. It is present in protein complexes involved in histone acetylation and chromatin assembly. It is part of the Mi-2 complex which has been implicated in chromatin remodeling and transcriptional repression associated with histone deacetylation. This encoded protein is also part of co-repressor complexes, which is an integral component of transcriptional silencing. It is found among several cellular proteins that bind directly to retinoblastoma protein to regulate cell proliferation. This protein also seems to be involved in transcriptional repression of E2F-responsive genes. Three transcript variants encoding different isoforms have been found for this gene.

RBBP4 Antibody (monoclonal) (M02) - References

Variation at the NFATC2 Locus Increases the Risk of Thiazolinedinedione-Induced Edema in the Diabetes REduction Assessment with ramipril and rosiglitazone Medication (DREAM) Study. Bailey SD, et al. Diabetes Care, 2010 Jul 13. PMID 20628086.Jarid2 and PRC2, partners in regulating gene expression. Li G, et al. Genes Dev, 2010 Feb 15. PMID 20123894.Gene-centric association signals for lipids and apolipoproteins identified via the HumanCVD BeadChip. Talmud PJ, et al. Am J Hum Genet, 2009 Nov. PMID 19913121.ZIP: a novel transcription repressor, represses EGFR oncogene and suppresses breast carcinogenesis. Li R, et al. EMBO J, 2009 Sep 16. PMID 19644445.Expression of the retinoblastoma protein RbAp48 in exocrine glands leads to Sj?gren's syndrome-like autoimmune exocrinopathy. Ishimaru N, et al. J Exp Med, 2008 Nov 24. PMID 19015307.