

ARG56559 anti-RBBP5 antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody recognizes RBBP5
Tested Reactivity	Hu, Ms, Rat
Tested Application	ICC/IF, WB
Specificity	This antibody detects endogenous levels of RBBP5 and does not cross-react with related proteins.
Host	Mouse
Clonality	Monoclonal
Isotype	IgG2a
Target Name	RBBP5
Species	Human
Immunogen	Purified recombinant Human RBBP5 protein fragments expressed in E.coli.
Conjugation	Un-conjugated
Alternate Names	RBQ3; Retinoblastoma-binding protein 5; RBBP-5; Retinoblastoma-binding protein RBQ-3; SWD1

Application Instructions

Application table	Application	Dilution
	ICC/IF	1:100
	WB	1:1000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

Properties

Form	Liquid
Buffer	PBS (pH 7.4), 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Database links [GeneID: 213464 Mouse](#)
[GeneID: 5929 Human](#)
[Swiss-port # Q15291 Human](#)
[Swiss-port # Q8BX09 Mouse](#)

Gene Symbol RBBP5

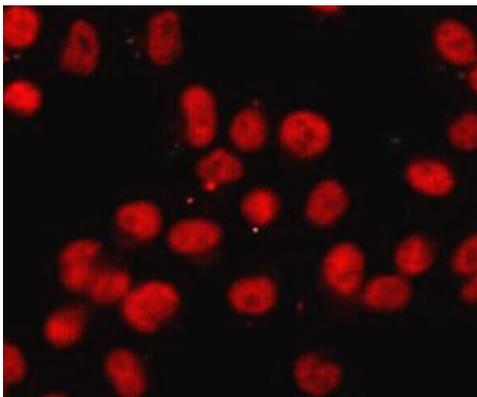
Gene Full Name retinoblastoma binding protein 5

Background This gene encodes a ubiquitously expressed nuclear protein which belongs to a highly conserved subfamily of WD-repeat proteins. The encoded protein binds directly to retinoblastoma protein, which regulates cell proliferation. It interacts preferentially with the underphosphorylated retinoblastoma protein via the E1A-binding pocket B. Three alternatively spliced transcript variants that encode different protein isoforms have been described for this gene. [provided by RefSeq, Jul 2010]

Function In embryonic stem (ES) cells, plays a crucial role in the differentiation potential, particularly along the neural lineage, regulating gene induction and H3 'Lys-4' methylation at key developmental loci, including that mediated by retinoic acid (By similarity). As part of the MLL1/MLL complex, involved in mono-, di- and trimethylation at 'Lys-4' of histone H3. Histone H3 'Lys-4' methylation represents a specific tag for epigenetic transcriptional activation. [UniProt]

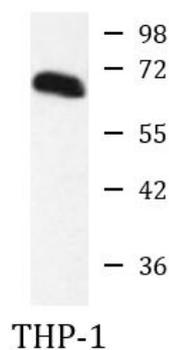
Calculated Mw 59 kDa

Images



ARG56559 anti-RBBP5 antibody ICC/IF image

Immunofluorescence: HeLa cells fixed with 4% Paraformaldehyde and stained with ARG56559 anti-RBBP5 antibody at 1:100 dilution.



ARG56559 anti-RBBP5 antibody WB image

Western blot: THP-1 cell lysate stained with ARG56559 anti-RBBP5 antibody at 1:1000 dilution.