

Rabbit RBMY1A1 Polyclonal Antibody | anti-RBMY1A1 antibody

Anti-RBMY1A1 Antibody Picoband

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA127401	Rabbit	Human, Mouse, Rat	ELISA, Immunofluorescence, Immunocytochemistry, Western Blot

PRODUCT SYNONYMS

RBMY1A1; Polyclonal Antibody; Anti-RBMY1A1 Antibody Picoband; AP-2 complex subunit beta; neurocan; Neurocan core protein; Chondroitin sulfate proteoglycan 3; NCAN; CSPG3; NEUR; anti-RBMY1A1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Brain.
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized. Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Applicable Applications for anti-RBMY1A1 antibody	ELISA, IF (Immunofluorescence), ICC (Immunocytochemistry), WB (Western Blot)
Immunogen	E coli-derived human RBMY1A1 recombinant protein (Position: R188-Y496).
Subcellular Localization	Secreted
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500ug/ml.
Cross Reactivity	No cross-reactivity with other proteins.
Protein Function	May modulate neuronal adhesion and neurite growth during development by binding to neural cell adhesion molecules (NG-CAM and N-CAM). Chondroitin sulfate proteoglycan; binds to hyaluronic acid.
Preparation and Storage	At -20 degree C for one year from date of receipt. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for six months.Avoid repeated freezing and thawing.

IMAGES



IF (Immunofluorescence)

Figure 2. IF analysis of RBMY1A1 and Tubulin beta using anti-RBMY1A1 antibody (AAA127401) and anti-Tubulin beta antibody (M05613-4).RBMY1A1 and Tubulin beta was detected in an immunocytochemical section of Hela cells. Enzyme antigen retrieval was performed using IHC enzyme antigen retrieval reagent for 15 mins. The cells were blocked with 10% goat serum. And then incubated with 5ug/mL rabbit anti-RBMY1A1 Antibody (AAA127401) and mouse anti-Tubulin beta Antibody (M05613-4) overnight at 4 degree C. Cy3 Conjugated Goat Anti-Rabbit IgG (BA1032) and DyLight488 Conjugated Goat Anti-Mouse IgG (BA1126) were used as secondary antibody at 1:500 dilution and incubated for 30 minutes at 37 degree C. Visualize using a fluorescence microscope and filter sets appropriate for the label used.



WB (Western Blot)

Figure 1. Western blot analysis of RBMY1A1 using anti-RBMY1A1 antibody (AAA127401).Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel)/90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions.Lane 1: human HEL whole cell lysates,Lane 2: rat brain tissue lysates,Lane 3: mouse testis tissue lysates,Lane 4: mouse brain tissue lysates,Lane 5: mouse NIH/3T3 whole cell lysates.After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-RBMY1A1 antigen affinity purified polyclonal antibody (#AAA127401) at 0.5ug/mL overnight at 4 degree C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for RBMY1A1 at approximately 51 kDa. The expected band size for RBMY1A1 is at 56 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-RBMY1A1 antibody	The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Product Categories/Family for anti-RBMY1A1 antibody	Primary Antibodies ; Cell Adhesion Proteins ; ECM Proteins ; Neuroscience
References	1. Chai, N. N., Salido, E. C., Yen, P. H. Multiple functional copies of the RBM gene family, a spermatogenesis candidate on the human Y chromosome. Genomics 45: 355-361, 1997. 2. Delbridge, M. L., Harry, J. L., Toder, R., Waugh O'Neill, R. J., Ma, K., Chandley, A. C., Marshall Graves, J. A. A human candidate spermatogenesis gene, RBM1, is conserved and amplified on the marsupial Y chromosome. Nature Genet. 15: 131-136, 1997. Note: Erratum: Nature Genet. 15: 411 only, 1997. 3. Delbridge, M. L., Lingenfelter, P. A., Disteche, C. M., Marshall Graves, J. A. The candidate spermatogenesis gene RBMY has a homologue on the human X chromosome. (Letter) Nature Genet. 22: 223-224, 1999.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4826974
NCBI GeneID	5940
NCBI Accession #	NP_005049.1
NCBI GenBank Nucleotide #	NM_005058.2
UniProt Accession #	P0DJJD3; Q15376; Q15377; Q6NSB5; Q86VU6; Q8NHR0; Q13369; Q15414
Molecular Weight	55,784 Da
NCBI Official Full Name	RNA-binding motif protein, Y chromosome, family 1 member A1/C
NCBI Official Synonym Full Names	RNA binding motif protein, Y-linked, family 1, member A1
NCBI Official Symbol	RBMY1A1
NCBI Official Synonym Symbols	RBM; RBM1; RBM2; RBMY; YRRM1; YRRM2; RBMY1C; MGC181956
NCBI Protein Information	RNA-binding motif protein, Y chromosome, family 1 member A1/C; hRBMY; OTTHUMP00000040529; RNA binding protein; RNA binding motif protein 2; RNA-binding motif protein 1; RNA-binding motif protein 2; y chromosome RNA recognition motif 1; RNA binding motif p
UniProt Protein Name	RNA-binding motif protein, Y chromosome, family 1 member A1

UniProt Gene Name	RBM1A1
UniProt Synonym Gene Names	RBM1; RBM2; YRRM1; YRRM2; hRBM1
UniProt Entry Name	RBY1A_HUMAN

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