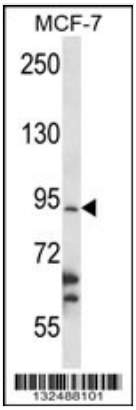
RBM28 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	RBM28, Polyclonal Antibody
Full Product Name	RBM28 Antibody (N-term)
Product Gene Name	anti-RBM28 antibody
Product Synonym Names	RNA-binding protein 28; RNA-binding motif protein 28; RBM28
Clonality	Polyclonal
Isotype	Rabbit Ig
Host	Rabbit
Species Reactivity	Human
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Concentration	Vial Concentration: 0.5 (lot specific)
Specificity	This RBM28 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 62-91 amino acids from the N-terminal region of human RBM28.
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.
Antibody/Peptide Pairs	RBM28 peptide (MBS9219427) is used for blocking the activity of RBM28 antibody (MBS9210662)
Molecular Weight	85738
Immunogen Sequence Positions	62-91
OMIM	612074
3D Structure	ModBase 3D Structure for Q9NW13
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Applications Tested/Suitable for anti-RBM28 antibody	Western Blot (WB), ELISA (EIA)
Application Notes for anti-RBM28 antibody	WB~~1:1000
Related Product Information for anti-RBM28 antibody	The protein encoded by this gene is a specific nucleolar component of the spliceosomal small nuclear ribonucleoprotein (snRNP)complexes. It specifically associates with U1, U2, U4, U5, and U6 small nuclear RNAs (snRNAs), possibly coordinating their transition through the nucleolus. Mutation in this gene causes alopecia, progressive neurological defects, and endocrinopathy (ANE syndrome), a pleiotropic and clinically heterogeneous disorder. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.

Product References and Citations for anti-RBM28 antibody	Spiegel, R., et al. Eur. J. Endocrinol. 162(6):1021-1025(2010) Nousbeck, J., et al. Am. J. Hum. Genet. 82(5):1114-1121(2008) Damianov, A., et al. Biol. Chem. 387 (10-11), 1455-1460 (2006) : Andersen, J.S., et al. Nature 433(7021):77-83(2005) Scherl, A., et al. Mol. Biol. Cell 13(11):4100-4109(2002)
Other Notes	Small volumes of anti-RBM28 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for RBM28 purchase	MBS9210662 is an antibody targeting RBM28. Also known as RBM28 Antibody (N-term). Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-RBM28 antibody
RBM28 Antibody (N-term) western blot analysis in MCF-7 cell line lysates (35ug/lane).This demonstrates the RBM28 antibody detected the RBM28 protein (arrow).

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for RBM28. It may not necessarily be applicable to this product.

NCBI GI #	260898763
NCBI GeneID	55131
NCBI Accession #	NP_001159607.1
NCBI Related Accession #	NP_060547.2
UniProt Primary Accession #	Q9NW13
UniProt Secondary Accession #	Q53H65; Q96CV3; A4D100; B4DU52; E9PDD9
UniProt Related Accession #	Q9NW13
GenBank Nucleotide #	NM_001166135.1
NCBI Official Full Name	RNA-binding protein 28 isoform 2
NCBI Official Synonym Full Names	RNA binding motif protein 28
NCBI Official Symbol	RBM28
NCBI Official Synonym Symbols	ANES
UniProt Protein Name	RNA-binding protein 28
UniProt Synonym Protein Names	RNA-binding motif protein 28
Protein Family	RNA-binding protein
UniProt Gene Name	RBM28
UniProt Entry Name	RBM28_HUMAN

NCBI Protein Information	RNA-binding protein 28
NCBI Summary for RBM28	The protein encoded by this gene is a specific nucleolar component of the spliceosomal small nuclear ribonucleoprotein (snRNP)complexes . It specifically associates with U1, U2, U4, U5, and U6 small nuclear RNAs (snRNAs), possibly coordinating their transition through the nucleolus. Mutation in this gene causes alopecia, progressive neurological defects, and endocrinopathy (ANE syndrome), a pleiotropic and clinically heterogeneous disorder. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Oct 2009]
UniProt Comments for RBM28	RBM28: Nucleolar component of the spliceosomal ribonucleoprotein complexes. Defects in RBM28 are the cause of alopecia neurologic defects and endocrinopathy syndrome (ANES). Affected individuals have hair loss of variable severity, ranging from complete alopecia to near-normal scalp hair with absence of body hair. All have moderate to severe mental retardation, progressive motor deterioration and central hypogonadotropic hypogonadism with delayed or absent puberty and central adrenal insufficiency. Additional features included short stature, microcephaly, gynecomastia, pigmentary anomalies, hypodontia, kyphoscoliosis, ulnar deviation of the hands, and loss of subcutaneous fat. Protein type: RNA splicing; RNA-binding; Nucleolus Chromosomal Location of Human Ortholog: 7q32.1 Cellular Component: spliceosome; nucleolus Molecular Function: nucleotide binding Biological Process: RNA splicing; mRNA processing Disease: Alopecia, Neurologic Defects, And Endocrinopathy Syndrome
Research Articles on RBM28	**1.** RBM28 gene defects should be added to the growing list of gene defects associated with syndromic combined anterior pituitary hormone deficiency.
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