A2BP1 Peptide - Middle Region Blocking Peptide

PRODUCT OVERVIEW

Product Name	A2BP1, Blocking Peptide
Full Product Name	A2BP1 Peptide - middle region
Product Gene Name	A2BP1 blocking peptide
Product Synonym Gene Name	FOX1; HRNBP1; 2BP1; A2BP1; FOX-1; RBFOX1
Form/Format	Lyophilized powder
Preparation and Storage	Add 100ul of sterile PBS. Final peptide concentration is 1 mg/ml in PBS. For longer periods of storage, store at -20 degree C. Avoid repeat freeze-thaw cycles.
Antibody/Peptide Pairs	A2BP1 peptide (MBS3238727) is used for blocking the activity of A2BP1 antibody (MBS3213788)
Molecular Weight	42kDa
OMIM	605104
Product Categories/Family for A2BP1 blocking peptide	Peptide
Applications Tested/Suitable for A2BP1 blocking peptide	Western Blot (WB)
Related Product Information for A2BP1 blocking peptide	Ataxin-2 binding protein 1(A2BP1) has an RNP motif that is highly conserved among RNA-binding proteins. This protein binds to the C-terminus of ataxin-2 and may contribute to the restricted pathology of spinocerebellar ataxia type 2 (SCA2). Ataxin-2 is the gene product of the SCA2 gene which causes familial neurodegenerative diseases. Ataxin-2 binding protein 1 and ataxin-2 are both localized in the trans-Golgi network. Several alternatively spliced transcript variants encoding different isoforms have been found for this gene. Additional transcript variants have been found but their full length nature has not been determined.Ataxin-2 binding protein 1 has an RNP motif that is highly conserved among RNA-binding proteins. This protein binds to the C-terminus of ataxin-2 and may contribute to the restricted pathology of spinocerebellar ataxia type 2 (SCA2). Ataxin-2 is the gene product of the SCA2 gene which causes familial neurodegenerative diseases. Ataxin-2 binding protein 1 and ataxin-2 are both localized in the trans-Golgi network. Four alternatively spliced transcript variants have been found for this gene. Additional transcript variants have been found but their full length nature has not been determined.
Other Notes	Small volumes of A2BP1 blocking peptide 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 A2BP1 purchase	MBS3238727 is a blocking peptide targeting A2BP1. Also known as A2BP1 Peptide - middle region.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for A2BP1. It may not necessarily be applicable to this product.

NCBI GI #	22538409
NCBI GeneID	54715
NCBI Accession #	NP_665900
UniProt Primary Accession #	Q9NWB1
UniProt Related Accession #	Q9NWB1
GenBank Nucleotide #	NM_145893

NCBI Official Full Name	RNA binding protein fox-1 homolog 1 isoform 3
NCBI Official Synonym Full Names	RNA binding fox-1 homolog 1
NCBI Official Symbol	RBFOX1
NCBI Official Synonym Symbols	2BP1; FOX1; A2BP1; FOX-1; HRNBP1
UniProt Protein Name	RNA binding protein fox-1 homolog 1
UniProt Synonym Protein Names	Ataxin-2-binding protein 1; Fox-1 homolog A; Hexaribonucleotide-binding protein 1
UniProt Gene Name	RBFOX1
UniProt Synonym Gene Names	A2BP; A2BP1; FOX1; HRNBP1
UniProt Entry Name	RFOX1_HUMAN
NCBI Protein Information	RNA binding protein fox-1 homolog 1
NCBI Summary for A2BP1	The Fox-1 family of RNA-binding proteins is evolutionarily conserved, and regulates tissue-specific alternative splicing in metazoa. Fox-1 recognizes a (U)GCAUG stretch in regulated exons or in flanking introns. The protein binds to the C-terminus of ataxin-2 and may contribute to the restricted pathology of spinocerebellar ataxia type 2 (SCA2). Ataxin-2 is the product of the SCA2 gene which causes familial neurodegenerative diseases. Fox-1 and ataxin-2 are both localized in the trans-Golgi network. Several alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Nov 2011]
UniProt Comments for A2BP1	RNA-binding protein that regulates alternative splicing events by binding to 5'-UGCAUGU-3' elements. Regulates alternative splicing of tissue-specific exons and of differentially spliced exons during erythropoiesis.
Research Articles on A2BP1	**1.** RBFOX1/MBNL1 competition for CCUG RNA repeats binding contributes to myotonic dystrophy type 1/type 2 differences.
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