Alpha Adaptin Blocking Peptide – The purity is >90%,tested by HPLC and MS. Purity

PRODUCT OVERVIEW

Product Name	alpha Adaptin (AP2A1), Blocking Peptide
Full Product Name	alpha Adaptin Blocking Peptide
Product Gene Name	AP2A1 blocking peptide
Product Synonym Names	100 kDa coated vesicle protein A; Adapter-related protein complex 2 alpha-1 subunit; adapter-related protein complex 2 subunit alpha-1; Adaptin alpha A; Adaptin alpha; Adaptor protein complex AP 2 alpha 1 subunit; adaptor protein complex AP 2 subunit alpha 1; Adaptor protein complex AP-2 subunit alpha-1; Adaptor protein complex AP2 alpha 1 subunit; adaptor protein complex AP2 subunit alpha 1; Adaptor related protein complex 2 alpha 1 subunit; Adaptor related protein complex AP 2 alpha 1 subunit; Adaptor related protein complex AP2 alpha 1 subunit; ADTAA; Alpha A adaptin; Alpha adaptin A; Alpha-adaptin A; alpha1 adaptin; Alpha1-adaptin; AP 2 alpha; AP 2 complex subunit alpha 1; AP-2 complex subunit alpha-1; AP2 complex subunit alpha 1; AP2-ALPHA; Ap2a1; AP2A1_HUMAN; CLAPA 1; CLAPA1; Clathrin adaptor complex AP2. alpha subunit; Clathrin assembly protein complex 2 alpha A large chain; Clathrin assembly protein complex 2 alpha-A large chain; Clathrin associated/assembly/adaptor protein large alpha 1; clathrin associated assembly adaptor protein large alpha 1; clathrin associated/assembly/adaptor protein, large, alpha 1; Plasma membrane adaptor HA 2/AP 2 adaptin alpha A subunit; Plasma membrane adaptor HA2/AP2 adaptin alpha A subunit
Form/Format	Synthetic peptide was lyophilized with 100% acetonitrile and is supplied as a powder. Reconstitute with 0.1 ml DI water for a final concentration of 10 mg/ml.
Purity/Purification	The purity is >90%,tested by HPLC and MS.
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C.
Antibody/Peptide Pairs	alpha Adaptin peptide (MBS9621052) is used for blocking the activity of alpha Adaptin antibody (MBS9603575)
Molecular Weight	977
Chromosome Location	Chromosome: 19; NC_000019.9 (50270180..50310369). Location: 19q13.33
OMIM	601026
Supply Chain Verification	Manufactured in a lab with traceable raw materials manufactured on site. Coordinated product portfolio of antibodies, pairs, conjugates, recombinant proteins, and immunoassay materials available, please inquire.
Notes	For phospho antibody, we provide phospho peptide (0.5mg) and non-phospho peptide (0.5mg)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for AP2A1 blocking peptide	Blocking/Control
Related Product Information for AP2A1 blocking peptide	Blocking peptides are peptides that bind specifically to the target antibody and block antibody binding. These peptide usually contains the epitope recognized by the antibody. Antibodies bound to the blocking peptide no longer bind to the epitope on the target protein. This mechanism is useful when non-specific binding is an issue, for example, in Western blotting (immunoblot) and immunohistochemistry (IHC). By comparing the staining from the blocked antibody versus the antibody alone, one can see which staining is specific; Specific binding will be absent from the western blot or immunostaining performed with the neutralized antibody.
Other Notes	Small volumes of AP2A1 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 AP2A1 purchase	MBS9621052 is a blocking peptide targeting AP2A1. Also known as alpha Adaptin Blocking Peptide.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for AP2A1. It may not necessarily be applicable to this product.

NCBI GI #	19913414
NCBI GeneID	160
NCBI Accession #	NP_055018.2
UniProt Primary Accession #	O95782
UniProt Secondary Accession #	Q96CI7; Q96PP6; Q96PP7; Q9H070
UniProt Related Accession #	O95782
GenBank Nucleotide #	NM_014203.2
NCBI Official Full Name	AP-2 complex subunit alpha-1 isoform 1
NCBI Official Synonym Full Names	adaptor-related protein complex 2, alpha 1 subunit
NCBI Official Symbol	AP2A1
NCBI Official Synonym Symbols	ADTAA; CLAPA1; AP2-ALPHA
UniProt Protein Name	AP-2 complex subunit alpha-1
UniProt Synonym Protein Names	100 kDa coated vesicle protein A; Adapter-related protein complex 2 alpha-1 subunit; Adaptor protein complex AP-2 subunit alpha-1; Alpha-adaptin A; Alpha1-adaptin; Clathrin assembly protein complex 2 alpha-A large chain; Plasma membrane adaptor HA2/AP2 adaptin alpha A subunit
Protein Family	AP-2 complex
UniProt Gene Name	AP2A1
UniProt Synonym Gene Names	ADTAA; CLAPA1
UniProt Entry Name	AP2A1_HUMAN
NCBI Protein Information	AP-2 complex subunit alpha-1; alpha1-adaptin; alpha-adaptin A; adaptin, alpha A; 100 kDa coated vesicle protein A; adaptor protein complex AP-2 subunit alpha-1; adapter-related protein complex 2 alpha-1 subunit; clathrin assembly protein complex 2 alpha-A
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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