BAI3 Blocking Peptide – The purity is >90%,tested by HPLC and MS. Purity

PRODUCT OVERVIEW

Product Name	BAI3, Blocking Peptide
Full Product Name	BAI3 Blocking Peptide
Product Gene Name	BAI3 blocking peptide
Product Synonym Gene Name	ADGRB3
Product Synonym Names	BAI3; BAI3_HUMAN; Brain-specific angiogenesis inhibitor 3; dJ91B17.1 (brain specific angiogenesis inhibitor 3); KIAA0550
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	BAI3 peptide (MBS9620536) is used for blocking the activity of BAI3 antibody (MBS9603059)
Molecular Weight	171,518 Da
Chromosome Location	Chromosome: 6; NC_000006.11 (69345632..70099403). Location: 6q12
OMIM	602684
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 BAI3 blocking peptide	Blocking/Control
Related Product Information for BAI3 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 BAI3 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 BAI3 purchase	MBS9620536 is a blocking peptide targeting BAI3.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for BAI3. It may not necessarily be applicable to this product.

NCBI GI #	4502359
NCBI GeneID	577
NCBI Accession #	NP_001695.1
UniProt Primary Accession #	O60242

UniProt Secondary Accession #	O60297; Q2NKN6; Q5VY37; Q9BX54; B7Z1K0
UniProt Related Accession #	O60242
GenBank Nucleotide #	NM_001704.2
NCBI Official Full Name	brain-specific angiogenesis inhibitor 3
NCBI Official Synonym Full Names	brain-specific angiogenesis inhibitor 3
NCBI Official Symbol	BAI3
UniProt Protein Name	Brain-specific angiogenesis inhibitor 3
UniProt Gene Name	BAI3
UniProt Synonym Gene Names	KIAA0550
UniProt Entry Name	BAI3_HUMAN
NCBI Protein Information	brain-specific angiogenesis inhibitor 3; dJ91B17.1 (brain-specific angiogenesis inhibitor 3)
NCBI Summary for BAI3	This p53-target gene encodes a brain-specific angiogenesis inhibitor, a seven-span transmembrane protein, and is thought to be a member of the secretin receptor family. Brain-specific angiogenesis proteins BAI2 and BAI3 are similar to BAI1 in structure, have similar tissue specificities, and may also play a role in angiogenesis. [provided by RefSeq, Jul 2008]
UniProt Comments for BAI3	BAI3: May regulate the number of excitatory synapses that are formed on hippocampus neurons. Has no effect on inhibitory synapses. Might be involved in angiogenesis inhibition and suppression of glioblastoma. Belongs to the G-protein coupled receptor 2 family. LN-TM7 subfamily. Protein type: Membrane protein, integral; Receptor, GPCR; GPCR, family 2; Membrane protein, multi-pass Chromosomal Location of Human Ortholog: 6q12 Cellular Component: integral to membrane; plasma membrane Molecular Function: G-protein coupled receptor activity Biological Process: G-protein coupled receptor protein signaling pathway; negative regulation of angiogenesis
Research Articles on BAI3	**1.** The BAI3 locus where the rs9363864 maps is a new candidate for venous thromboembolism risk
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