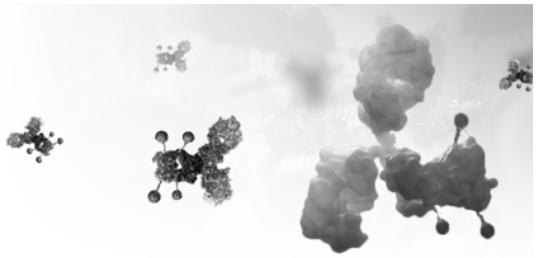

Human BAIAP2 blocking peptide (CDBP0565)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Blocking/Immunizing peptide for anti-BAIAP2 (isoform 2) antibody
Antigen Description	The protein encoded by this gene has been identified as a brain-specific angiogenesis inhibitor (BAI1)-binding protein. This adaptor protein links membrane bound G-proteins to cytoplasmic effector proteins. This protein functions as an insulin receptor tyrosine kinase substrate and suggests a role for insulin in the central nervous system. It also associates with a downstream effector of Rho small G proteins, which is associated with the formation of stress fibers and cytokinesis. This protein is involved in lamellipodia and filopodia formation in motile cells and may affect neuronal growth-cone guidance. This protein has also been identified as interacting with the dentatorubral-pallidoluysian atrophy gene, which is associated with an autosomal dominant neurodegenerative disease. Alternative splicing results in multiple transcript variants encoding distinct isoforms.
Species	Human
Conjugate	Unconjugated
Applications	Apuri, BL, ELISA
Format	Lyophilized powder
Size	100 µg
Preservative	None
Storage	Shipped at ambient temperature, store at -20°C.

GENE INFORMATION

Gene Name	BAIAP2 BAI1-associated protein 2 [Homo sapiens]

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Official Symbol	BAIAP2
Synonyms	BAIAP2; BAI1-associated protein 2; brain-specific angiogenesis inhibitor 1-associated protein 2; BAP2; IRS-58; IRSp53/58; fas ligand-associated factor 3; insulin receptor substrate p53/p58; insulin receptor substrate protein of 53 kDa; FLAF3; IRSP53;
Entrez Gene ID	10458
mRNA Refseq	NM_001144888
Protein Refseq	NP_001138360
UniProt ID	Q9UQB8
Chromosome Location	17q25
Pathway	Adherens junction, organism-specific biosystem; Adherens junction, conserved biosystem; CDC42 signaling events, organism-specific biosystem; ErbB1 downstream signaling, organism-specific biosystem; RAC1 signaling pathway, organism-specific biosystem; Regulation of Actin Cytoskeleton, organism-specific biosystem; Regulation of actin cytoskeleton, organism-specific biosystem;
Function	SH3 domain binding; cytoskeletal adaptor activity; proline-rich region binding; protein C-terminus binding; protein binding;

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