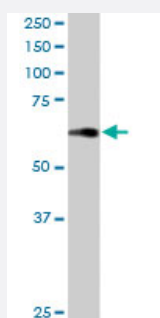


BAIAP2 polyclonal antibody

Catalog # PAB6057 Size 100 ug

Applications



Western Blot (Tissue lysate)

BAIAP2 polyclonal antibody (Cat # PAB6057) staining (1 ug/mL) of human brain lysate (RIPA buffer, 35 ug total protein per lane). Primary incubated for 1 hour. Detected by western blot using chemiluminescence.

Specification

Product Description	Goat polyclonal antibody raised against synthetic peptide of BAIAP2.
Immunogen	A synthetic peptide corresponding to human BAIAP2.
Sequence	C-SGSGTLVSTV
Host	Goat
Theoretical MW (kDa)	57.4
Reactivity	Human
Specificity	This antibody is expected to recognize only human isoform 1 according to NP_059344.1.
Form	Liquid
Purification	Antigen affinity purification
Concentration	0.5 mg/mL
Quality Control Testing	Antibody Reactive Against Synthetic Peptide.

Recommend Usage	ELISA (1:64000) Western Blot (1-3 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In Tris saline, pH 7.3 (0.5% BSA, 0.02% sodium azide)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Tissue lysate)

BAIAP2 polyclonal antibody (Cat # PAB6057) staining (1 ug/mL) of human brain lysate (RIPA buffer, 35 ug total protein per lane). Primary incubated for 1 hour. Detected by western blot using chemiluminescence.

- Enzyme-linked Immunoabsorbent Assay

Gene Info — BAIAP2

Entrez GeneID	10458
Protein Accession#	NP_059344.1
Gene Name	BAIAP2
Gene Alias	BAP2, IRSP53
Gene Description	BAI1-associated protein 2
Omim ID	605475
Gene Ontology	Hyperlink
Gene Summary	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-pallidolusian atrophy gene, which is associated with an autosomal dominant neurodegenerative disease. Alternative splicing results in multiple transcript variants encoding distinct isoforms

Other Designations

insulin receptor substrate p53

Publication Reference

- [Identification of BAIAP2 \(BAI-associated protein 2\), a novel human homologue of hamster IRSp53, whose SH3 domain interacts with the cytoplasmic domain of BAI1.](#)

Oda K, Shiratsuchi T, Nishimori H, Inazawa J, Yoshikawa H, Taketani Y, Nakamura Y, Tokino T.

Cytogenetics and Cell Genetics 1999 Jan; 84(1-2):75.

Pathway

- [Adherens junction](#)
- [Regulation of actin cytoskeleton](#)

Disease

- [Attention Deficit Disorder with Hyperactivity](#)
- [Functional Laterality](#)
- [Genetic Predisposition to Disease](#)