

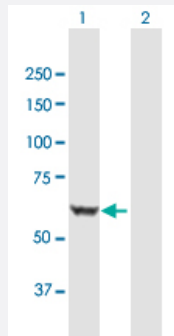
MaxPab®

BAIAP2 purified MaxPab mouse polyclonal antibody (B01P)

Catalog # H00010458-B01P

Size 50 ug

Applications



Western Blot (Transfected lysate)

Western Blot analysis of BAIAP2 expression in transfected 293T cell line ([H00010458-T01](#)) by BAIAP2 MaxPab polyclonal antibody.

Lane1:BAIAP2 transfected lysate(60.72 KDa).

Lane2:Non-transfected lysate.

Specification

Product Description

Mouse polyclonal antibody raised against a full-length human BAIAP2 protein.

Immunogen

BAIAP2 (NP_059345.1, 1 a.a. ~ 552 a.a) full-length human protein.

Sequence

MSLSRSEEMHRLTENYKTIMEQFNPSLRNFIAMGKNYEKALAGVTYAAKG YFDALVKMGELASE
SQGSKELGDVLFQMAEVHRQIQNQLEEMLKSFHNELLTQLEQKVELDSRYLSAALKKYQTEQRS
KGDALDKCQAEKKLRKKSQGSKNPQKYSDKELQYDAISNKQGELENYVSDGYKTALTEERRRF
CFLVEKQCAVAKNSAAYHSKGKELLAQKLPLWQQACADPSKIPERAVQLMQQVASNGATLPSA
LSASKSNLVISDPIPGAKPLPVPELAPFVGRMSAQESTPIMNGVTGPDGEDYSPWADRKAQAP
KSLSPQSQSKLSDSYSNTLPVRKSVTPKNSYATTENKTLPRSSSMAAGLERNGMRVKAIFSHA
AGDNSTLLSFKEGDLITLLVPEARDGWHYGESEKTKMRGWFPFSYTRVLDSDGSDRLHMSLQQG
KSSSTGNLLDKDDLAIPPPDYGAASRAFPQAQTASGFKQRPYSVAVPAFSQGLDDYGARMSRNP
FAHVQLKPTVTNDRCDLSAQGPEGREHGDGSARTLAGR

Host

Mouse

Reactivity

Human

Interspecies Antigen Sequence

Mouse (95); Rat (95)

Quality Control Testing

Antibody reactive against mammalian transfected lysate.

Storage Buffer

In 1x PBS, pH 7.4

Storage Instruction

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

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[Protocol Download](#)

Gene Info — BAIAP2

Entrez GeneID
[10458](#)
GeneBank Accession#
[NM_017451](#)
Protein Accession#
[NP_059345.1](#)
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-pallidolysian 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

Pathway

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

Disease

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