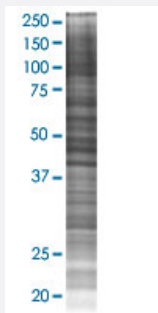


BAIAP2 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00010458-T02

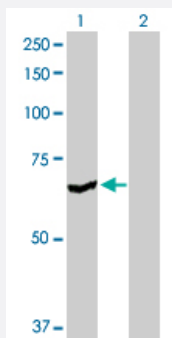
Size 100 uL

Applications



SDS-PAGE Gel

BAIAP2 transfected lysate.



Western Blot

Lane 1: BAIAP2 transfected lysate (60.90 KDa)

Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line	293T
Plasmid	pCMV-BAIAP2 full-length
Host	Human
Theoretical MW (kDa)	60.9
Interspecies Antigen Sequence	Mouse (95); Rat (95)

Quality Control Testing

Transient overexpression cell lysate was tested with Anti-BAIAP2 antibody ([H00010458-D01P](#)) by Western Blots.
SDS-PAGE Gel
BAIAP2 transfected lysate.
Western Blot
Lane 1: BAIAP2 transfected lysate (60.90 KDa)
Lane 2: Non-transfected lysate.

Storage Buffer

1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot

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-pallidoluysian 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](#)