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BAIAP2 / IRSP53 Antibody (Isoform 3)

Goat Polyclonal Antibody

Catalog # ALS15350

Specification

BAIAP2 / IRSP53 Antibody (Isoform 3) - Product Information

Application	**WB, IHC-P, E**
Primary Accession	Q9UQB8
Reactivity	**Human**
Host	**Goat**
Clonality	**Polyclonal**
Calculated MW	**61kDa KDa**
Dilution	**WB~~1:1000** **IHC-P~~N/A** **E~~N/A**

BAIAP2 / IRSP53 Antibody (Isoform 3) - Additional Information

Gene ID 10458

Other Names
Brain-specific angiogenesis inhibitor 1-associated protein 2, BAI-associated protein 2, BAI1-associated protein 2, Protein BAP2, Fas ligand-associated factor 3, FLAF3, Insulin receptor substrate p53/p58, IRS-58, IRSp53/58, Insulin receptor substrate protein of 53 kDa, IRSp53, Insulin receptor substrate p53, BAIAP2

Target/Specificity
Human BAIAP2 / IRSP53. This antibody will recognise only one of three reported isoforms (NP_006331.1).

Reconstitution & Storage
Store at -20°C. Minimize freezing and thawing.

Precautions
BAIAP2 / IRSP53 Antibody (Isoform 3) is for research use only and not for use in diagnostic or therapeutic procedures.

BAIAP2 / IRSP53 Antibody (Isoform 3) - Protein Information

Name BAIAP2

Function
Adapter protein that links membrane-bound small G-proteins to cytoplasmic effector proteins. Necessary for CDC42-mediated reorganization of the actin cytoskeleton and for RAC1-mediated membrane ruffling. Involved in the regulation of the actin cytoskeleton by WASF family members and the Arp2/3 complex. Plays a role in neurite growth. Acts syngeristically with ENAH to promote filipodia formation. Plays a role in the reorganization of the actin cytoskeleton in response to bacterial infection. Participates in actin bundling when associated with EPS8, promoting filopodial

protrusions.

Cellular Location
Cytoplasm. Membrane; Peripheral membrane protein. Cell projection, filopodium. Cell projection, ruffle. Cytoplasm, cytoskeleton. Note=Detected throughout the cytoplasm in the absence of specific binding partners. Detected in filopodia and close to membrane ruffles. Recruited to actin pedestals that are formed upon infection by bacteria at bacterial attachment sites

Tissue Location
Isoform 1 and isoform 4 are expressed almost exclusively in brain. Isoform 4 is barely detectable in placenta, prostate and testis. A short isoform is ubiquitous, with the highest expression in liver, prostate, testis and placenta

BAIAP2 / IRSP53 Antibody (Isoform 3) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

BAIAP2 / IRSP53 Antibody (Isoform 3) - Images

BAIAP2 antibody staining (1 ug/ml) of Human Brain (Cerebellum) lysate (RIPA buffer, 35g total...

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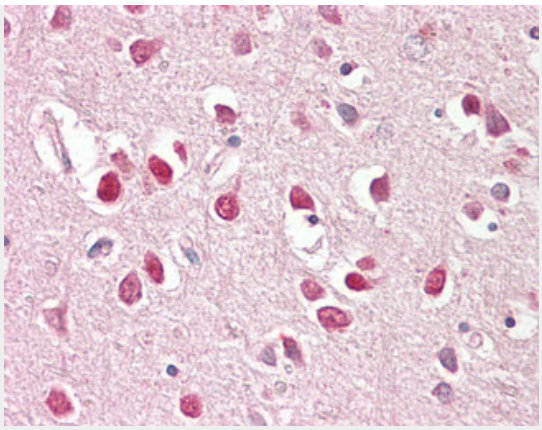

Anti-BAIAP2 / IRSP53 antibody IHC of human brain, cortex.

BAIAP2 / IRSP53 Antibody (Isoform 3) - Background

Adapter protein that links membrane-bound small G- proteins to cytoplasmic effector proteins. Necessary for CDC42- mediated reorganization of the actin cytoskeleton and for RAC1- mediated membrane ruffling. Involved in the regulation of the actin cytoskeleton by WASF family members and the Arp2/3 complex. Plays a role in neurite growth. Acts syngeristically with ENAH to promote filipodia formation. Plays a role in the reorganization of the actin cytoskeleton in response to bacterial infection. Participates in actin bundling when associated with EPS8, promoting filopodial protrusions.

BAIAP2 / IRSP53 Antibody (Isoform 3) - References

Oda K.,et al.Cytogenet. Cell Genet. 84:75-82(1999).
Okamura-Oho Y.,et al.Hum. Mol. Genet. 8:947-957(1999).
Miyahara A.,et al.J. Hum. Genet. 48:410-414(2003).
Suzuki Y.,et al.Submitted (APR-2005) to the EMBL/GenBank/DDBJ databases.
Hachiya T.,et al.Submitted (SEP-1996) to the EMBL/GenBank/DDBJ databases.