10320 Camino Santa Fe, Suite G
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BAIAP2 Antibody (C-term)
Mouse Monoclonal Antibody (Mab)
Catalog # AW5188

Specification

BAIAP2 Antibody (C-term) - Product Information

Application	**WB,E**
Primary Accession	Q9UQB8
Reactivity	**Human, Mouse**
Host	**Mouse**
Clonality	**Monoclonal**
Calculated MW	**H=61 KDa**
Isotype	**IgG2b**
Antigen Source	**Human**

BAIAP2 Antibody (C-term) - Additional Information

Gene ID 10458

Antigen Region
1-290

Other Names
BAIAP2;Brain-specific angiogenesis inhibitor 1-associated protein 2; Brain-specific angiogenesis inhibitor 1-associated protein 2; Fas ligand-associated factor 3; Brain-specific angiogenesis inhibitor 1-associated protein 2; Insulin receptor substrate p53/p58; Brain-specific angiogenesis inhibitor 1-associated protein 2; Insulin receptor substrate protein of 53 kDa

Dilution
WB~~1:1000

Target/Specificity
Purified His-tagged BAIAP2 protein was used to produced this monoclonal antibody.

Format
Purified monoclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein G column, followed by dialysis against PBS.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
BAIAP2 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

BAIAP2 Antibody (C-term) - Protein Information

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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

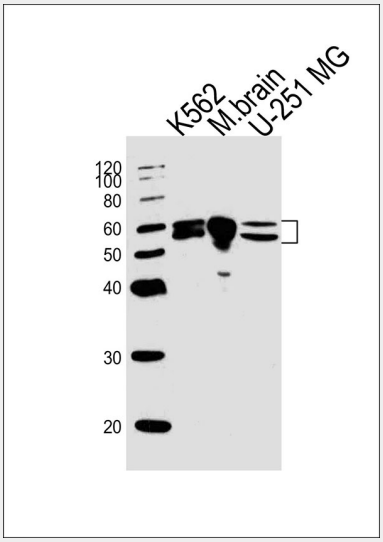
Tissue Location
Isoform 1 and isoform 4 are expressed almost exclusively in brain. Isoform 4 is barely detectable in placenta, prostate and testis. A short isoform is ubiquitous, with the highest expression in liver, prostate, testis and placenta

BAIAP2 Antibody (C-term) - 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 Antibody (C-term) - Images



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Western blot analysis of lysates from K562 cell line,mouse brain tissue,U-251 MG cell line (from left to right), using BAIAP2 Antibody (C-term)(Cat. #AW5188). AW5188 was diluted at 1:1000 at each lane. A goat anti-mouse IgG H&L(HRP) at 1:10000 dilution was used as the secondary antibody.Lysates at 20ug per lane.

BAIAP2 Antibody (C-term) - 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.

BAIAP2 Antibody (C-term) - 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.