

**BAIAP2 Antibody (C-term)**  
**Mouse Monoclonal Antibody (Mab)**  
**Catalog # AM2227b**

**Specification**

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**BAIAP2 Antibody (C-term) - Product Information**

|                   |                        |
|-------------------|------------------------|
| Application       | WB,E                   |
| Primary Accession | <a href="#">O9UQB8</a> |
| Reactivity        | Human, Mouse           |
| Host              | Mouse                  |
| Clonality         | Monoclonal             |
| Isotype           | IgG2b                  |
| Calculated MW     | 60868                  |

**BAIAP2 Antibody (C-term) - 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**

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

**Dilution**

WB~~1:1000

**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**

**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 synergetically 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

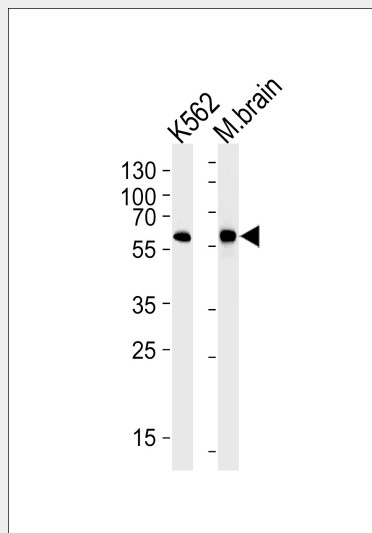
Isoform 1 and isoform 4 are expressed almost exclusively in brain. Isoform 4 is barely detectable in placenta, prostate and testis. A short isoform is ubiquitous, with the highest expression in liver, prostate, testis and placenta

### 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 Cytometry](#)
- [Cell Culture](#)

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



BAIAP2 Antibody (C-term)(Cat. #AM2227b) western blot analysis in K562 cell line and mouse brain tissue lysates (35µg/lane).This demonstrates the BAIAP2 antibody detected the BAIAP2 protein (arrow).

### 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 synergetically 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.