

AP15189PU-N**Polyclonal Antibody to BAIAP2 (C-term) - Purified****Alternate names:**

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

Quantity:

0.4 ml

Concentration:

lot specific

Background:

BAIAP2, a target of p53, has been identified as a brain-specific angiogenesis inhibitor (BAI1)-binding protein. This interaction at the cytoplasmic membrane is crucial to the function of this protein, which may be involved in neuronal growth-cone guidance. This protein functions as an insulin receptor tyrosine kinase substrate and suggests a role for insulin in the central nervous system. This protein has also been identified as interacting with the dentatorubral-pallidoluysian atrophy gene, which is associated with an autosomal dominant neurodegenerative disease. It also associates with a downstream effector of Rho small G proteins, which is associated with the formation of stress fibers and cytokinesis.

Uniprot ID:[Q9UQB8](#)**NCBI:**[NP_001138360.1](#)**GeneID:**[10458](#)**Host / Isotype:**

Rabbit / Ig

Immunogen:

This antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide selected from the C-terminal region of human BAIAP2.

Format:**State:** Liquid purified Ig**Purification:** Protein G column, eluted with high and low pH buffers and neutralized immediately, followed by dialysis against PBS**Buffer System:** PBS with 0.09% (W/V) sodium azide**Applications:**

ELISA: 1/1,000.

Western blotting: 1/100 - 1/500.

Immunohistochemistry: 1/50 - 1/100.

Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Specificity:

This antibody reacts to BAIAP2.

Species: Human, Mouse.

Other species not tested.

Storage:

Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer.

Avoid repeated freezing and thawing.

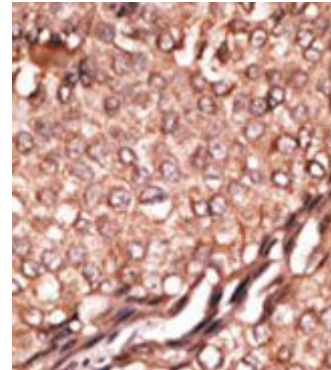
Shelf life: one year from despatch.

Caution: This product is for research use only. Not for use in diagnostic or therapeutic procedures.

General Readings:

1. Fujiwara, T., et al., *Biochem. Biophys. Res. Commun.* 271(3):626-629 (2000).
2. Abbott, M.A., et al., *J. Neurosci.* 19(17):7300-7308 (1999).
3. Okamura-Oho, Y., et al., *Hum. Mol. Genet.* 8(6):947-957 (1999).
4. Oda, K., et al., *Cytogenet. Cell Genet.* 84 (1-2), 75-82 (1999).

Pictures: Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by AEC staining



The anti-BAIAP2 Pab is used in Western blot to detect BAIAP2 in mouse brain tissue lysate (Lane 1) and A375 cell lysate (Lane 2).

