

## BAIAP2

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**Reactivity:**Human Mouse Rat

**Tested applications:**WB IHC

**Recommended Dilution:**WB 1:200 - 1:1000 IHC 1:50 - 1:200

**Calculated MW:**61kDa

**Observed MW:**Refer to figures

**Immunogen:**

Recombinant protein of human BAIAP2

**Storage Buffer:**

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

**Synonym:**

BAP2; FLAF3; IRSP53;

**Catalog #:**A2754

**Antibody Type:**

Polyclonal Antibody

**Species:**Rabbit

**Gene ID:**10458

**Isotype:**IgG

**Swiss Prot:**Q9UQB8

**Purity:**Affinity purification

For research use only.

**Background:**

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.

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