

## Product datasheet for **TA327577S**

### **BAIAP2 Rabbit Polyclonal Antibody**

#### **Product data:**

Product Type:	Primary Antibodies
Applications:	ICC/IF, WB
Recommended Dilution:	WB 1:500 - 1:2000;IF 1:50- 1:200
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Recombinant protein of human BAIAP2
Formulation:	Store at -20C or -80C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3
Concentration:	lot specific
Purification:	Affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	BAI1 associated protein 2
Database Link:	<a href="#">NP_006331</a> <a href="#">Entrez Gene 108100 Mouse</a> <a href="#">Entrez Gene 117542 Rat</a> <a href="#">Entrez Gene 10458 Human</a> <a href="#">Q9UQB8</a>



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**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.

**Synonyms:**

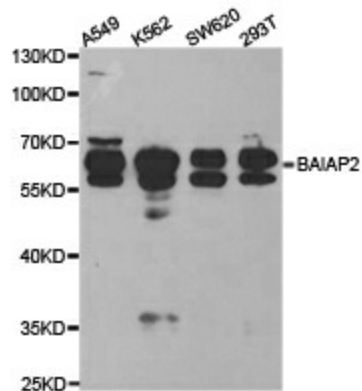
BAP2; FLAF3; IRSP53

**Protein Families:**

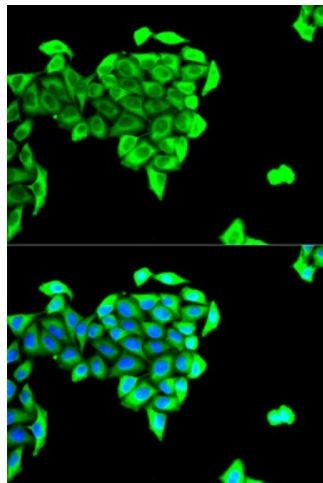
Druggable Genome

**Protein Pathways:**

Adherens junction, Regulation of actin cytoskeleton

**Product images:**


Western blot analysis of extracts of various cell lines, using BAIAP2 antibody.



Immunofluorescence analysis of A549 cell using BAIAP2 antibody. Blue: DAPI for nuclear staining.