

## Product datasheet for **TA503013AM**

### **BAIAP2 Mouse Monoclonal Antibody (Biotin conjugated) [Clone ID: OTI1F4]**

#### **Product data:**

<b>Product Type:</b>	Primary Antibodies
<b>Clone Name:</b>	OTI1F4
<b>Applications:</b>	FC, IF, WB
<b>Recommended Dilution:</b>	WB 1:2000, IF 1:100, FLOW 1:100
<b>Reactivity:</b>	Human, Mouse, Rat
<b>Host:</b>	Mouse
<b>Isotype:</b>	IgG1
<b>Clonality:</b>	Monoclonal
<b>Immunogen:</b>	Full length human recombinant protein of human BAIAP2(NP_006331) produced in HEK293 cell.
<b>Formulation:</b>	PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
<b>Concentration:</b>	0.5 mg/ml
<b>Purification:</b>	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
<b>Conjugation:</b>	Biotin
<b>Storage:</b>	Store at -20°C as received.
<b>Stability:</b>	Stable for 12 months from date of receipt.
<b>Predicted Protein Size:</b>	57.3 kDa
<b>Gene Name:</b>	BAR/IMD domain containing adaptor protein 2
<b>Database Link:</b>	<a href="#">NP_006331</a> <a href="#">Entrez Gene 108100</a> <a href="#">MouseEntrez Gene 117542</a> <a href="#">RatEntrez Gene 10458</a> <a href="#">Human 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:**

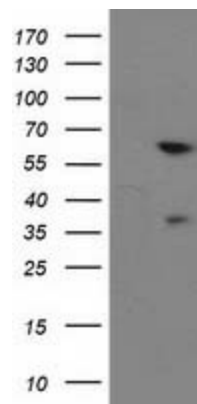
BAP2; FLAF3; IRSP53

**Protein Families:**

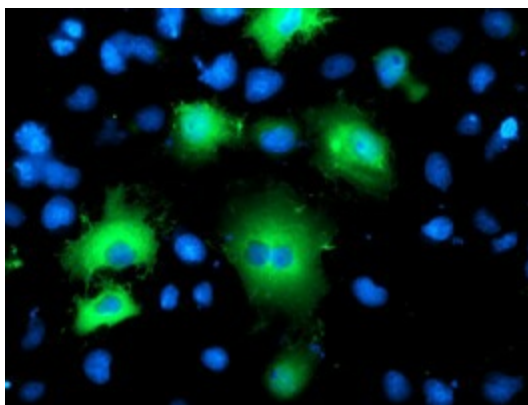
Druggable Genome

**Protein Pathways:**

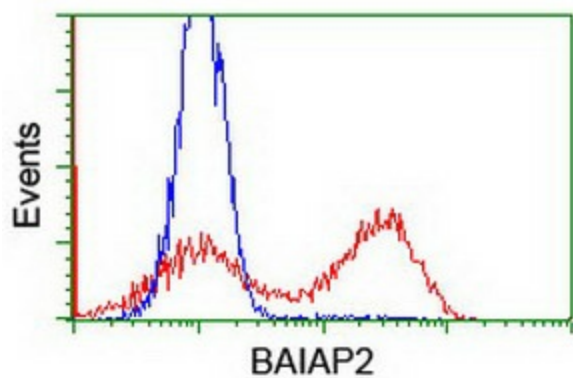
Adherens junction, Regulation of actin cytoskeleton

**Product images:**


HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY BAIAP2 ([RC214570], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-BAIAP2. Positive lysates [LY401909] (100ug) and [LC401909] (20ug) can be purchased separately from OriGene.



Anti-BAIAP2 mouse monoclonal antibody ([TA503013]) immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY BAIAP2 ([RC214570]).



HEK293T cells transfected with either [RC214570] overexpress plasmid (Red) or empty vector control plasmid (Blue) were immunostained by anti-BAIAP2 antibody ([TA503013]), and then analyzed by flow cytometry.