

Product datasheet for **TA502981BM**

BAIAP2 Mouse Monoclonal Antibody (HRP conjugated) [Clone ID: OTI 1D9]

Product data:

| | |
|-------------------------|---|
| Product Type: | Primary Antibodies |
| Clone Name: | OTI 1D9 |
| Applications: | FC, IF, IHC, WB |
| Recommended Dilution: | WB 1:2000, IHC 1:150, IF 1:100, FLOW 1:100 |
| Reactivity: | Human, Mouse, Rat |
| Host: | Mouse |
| Isotype: | IgG1 |
| Clonality: | Monoclonal |
| Immunogen: | Full length human recombinant protein of human BAIAP2 (NP_006331) produced in HEK293T cell. |
| Formulation: | PBS (pH 7.3) containing 1% BSA, 50% glycerol. |
| Concentration: | 0.5 mg/ml |
| Purification: | Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G) |
| Conjugation: | HRP |
| Storage: | Store at -20°C as received. |
| Stability: | Stable for 12 months from date of receipt. |
| Predicted Protein Size: | 57.3 kDa |
| Gene Name: | BAR/IMD domain containing adaptor protein 2 |
| Database Link: | NP_006331 Entrez Gene 108100 MouseEntrez Gene 117542 RatEntrez Gene 10458 Human Q9UQB8 |



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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. [provided by RefSeq, Jan 2009]

Synonyms:

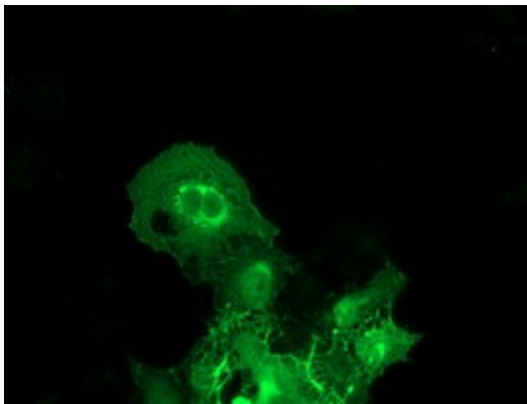
BAP2; FLAF3; IRSP53

Protein Families:

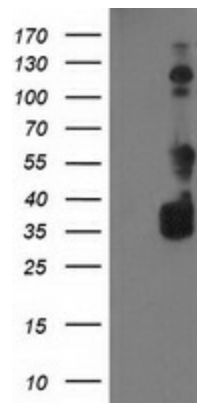
Druggable Genome

Protein Pathways:

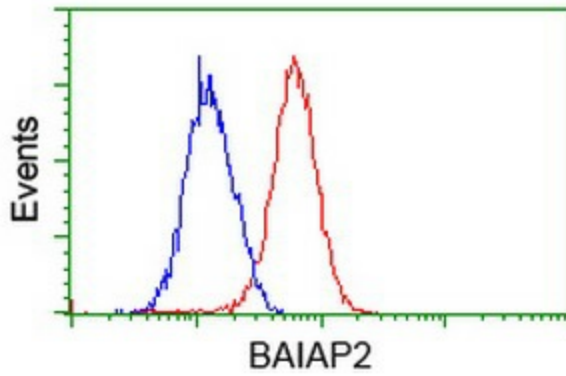
Adherens junction, Regulation of actin cytoskeleton

Product images:

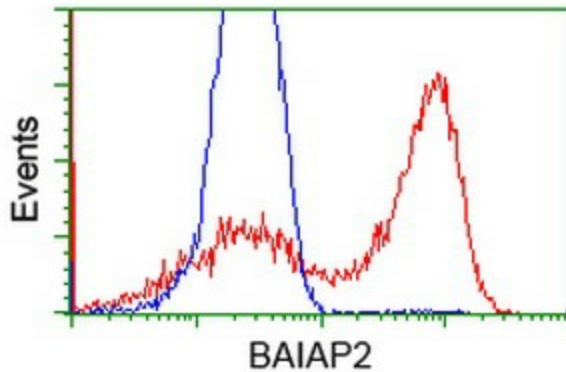
Anti-BAIAP2 mouse monoclonal antibody ([TA502981]) immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY BAIAP2 ([RC214570]).



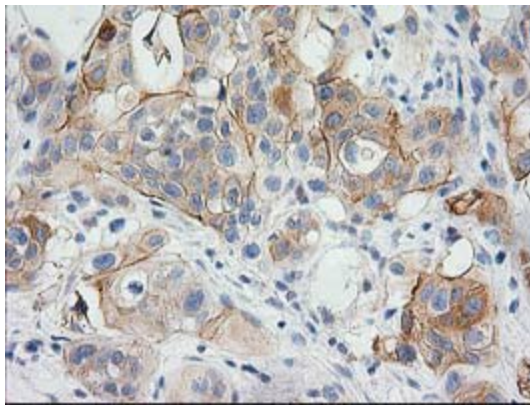
HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY BAIAP2 (Cat# [RC214570], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-BAIAP2 (Cat# [TA502981]). Positive lysates [LY401909] (100ug) and [LC401909] (20ug) can be purchased separately from OriGene.



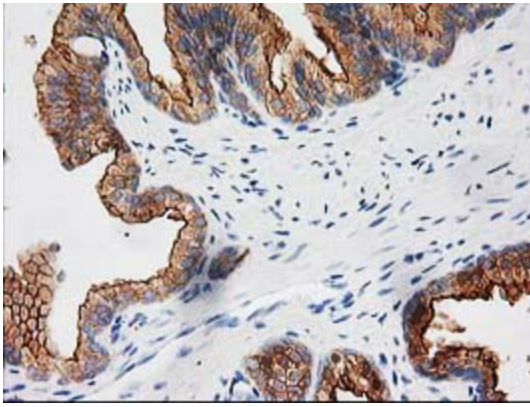
Flow cytometric Analysis of HeLa cells, using anti-BAIAP2 antibody ([TA502981]), (Red), compared to a nonspecific negative control antibody, (Blue).



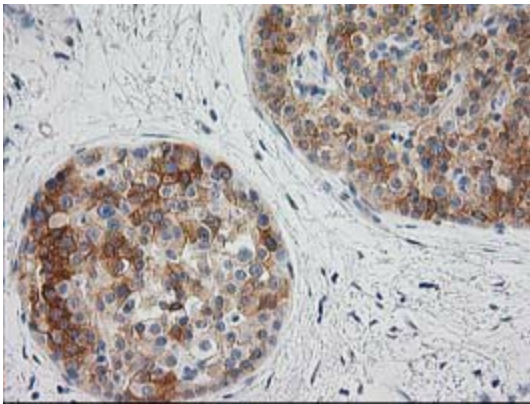
HEK293T cells transfected with either [RC214570] overexpress plasmid (Red) or empty vector control plasmid (Blue) were immunostained by anti-BAIAP2 antibody ([TA502981]), and then analyzed by flow cytometry.



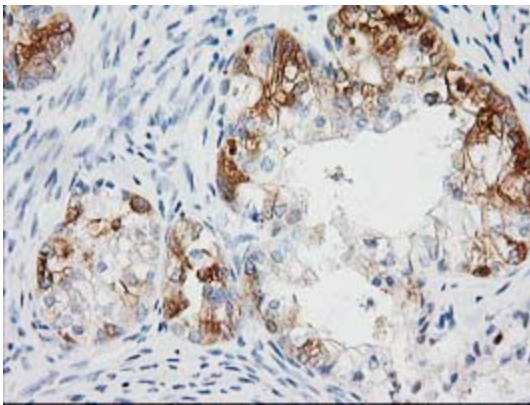
Immunohistochemical staining of paraffin-embedded Carcinoma of Human bladder tissue using anti-BAIAP2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA502981])



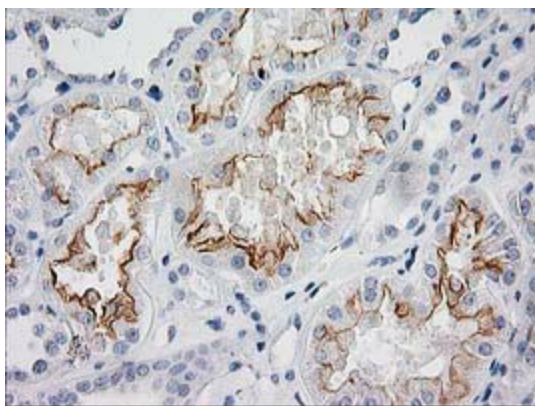
Immunohistochemical staining of paraffin-embedded Human prostate tissue within the normal limits using anti-BAIAP2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA502981])



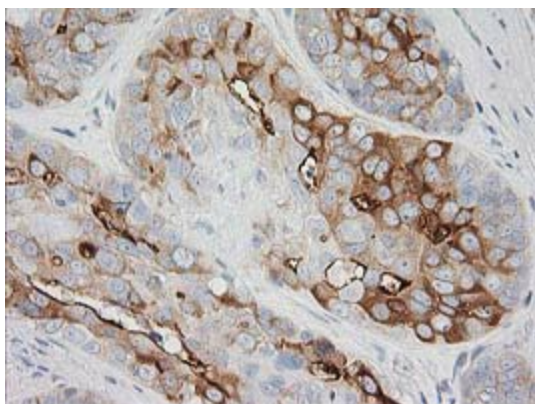
Immunohistochemical staining of paraffin-embedded Carcinoma of Human pancreas tissue using anti-BAIAP2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA502981])



Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human ovary tissue using anti-BAIAP2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA502981])



Immunohistochemical staining of paraffin-embedded Human Kidney tissue within the normal limits using anti-BAIAP2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA502981])



Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human breast tissue using anti-BAIAP2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA502981])