ARG63146
anti-BAIAP2 antibody

Package: 100 µg
Store at: -20°C

Summary

Product Description	Goat Polyclonal antibody recognizes BAIAP2
Tested Reactivity	Hu
Predict Reactivity	Cow, Dog
Tested Application	IHC-P, WB
Specificity	This antibody will recognise only one of three reported isoforms (NP_006331.1).
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	BAIAP2
Species	Human
Immunogen	C-SMSSADVEVARF
Conjugation	Un-conjugated
Alternate Names	IRS-58; Fas ligand-associated factor 3; Brain-specific angiogenesis inhibitor 1-associated protein 2; Insulin receptor substrate p53; IRSp53; BAI-associated protein 2; IRSP53; FLAF3; IRSp53/58; BAI1-associated protein 2; Insulin receptor substrate protein of 53 kDa; BAP2; Protein BAP2; Insulin receptor substrate p53/p58

Application Instructions

Application table

Application	Dilution
IHC-P	3 - 5 µg/ml
WB	1 - 2 µg/ml

Application Note

WB: Recommend incubate at RT for 1h.
IHC-P: Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0).
* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

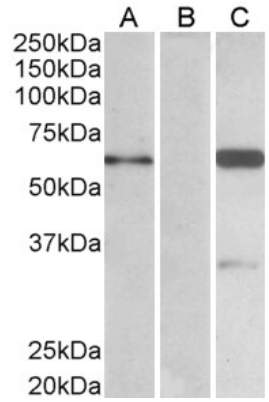
Form	Liquid
Purification	Purified from goat serum by antigen affinity chromatography.
Buffer	Tris saline (pH 7.3), 0.02% Sodium azide and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	0.5% BSA
Concentration	0.5 mg/ml

Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

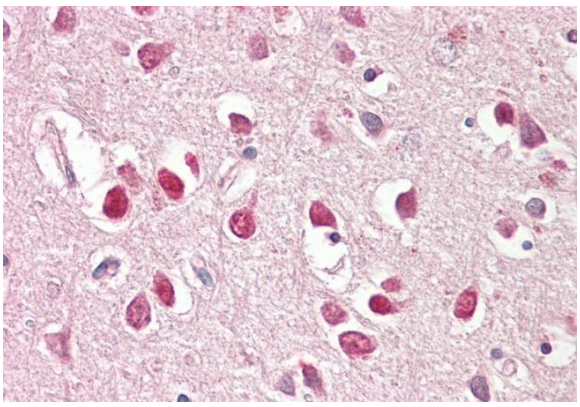
Database links	GeneID: 10458 Human Swiss-port # Q9UQB8 Human
Background	The protein encoded by this gene has been identified as a brain-specific angiogenesis inhibitor (BAI1)-binding protein. This adaptor protein links membrane bound G-proteins to cytoplasmic effector proteins. This protein functions 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]
Research Area	Neuroscience antibody
Calculated Mw	61 kDa
PTM	Phosphorylated on tyrosine residues by INSR in response to insulin treatment.

Images



ARG63146 anti-BAIAP2 antibody WB image

Western blot: Human BAIAP2 with DYKDDDDK tag expressing plasmid transfected HEK293 cell lysate (10 µg sample in RIPA buffer) stained with ARG63146 anti-BAIAP2 (isoform 3) antibody at 1 µg/ml dilution (Lane A); Mock-transfected HEK293 stained with primary antibodies (Lane B). HEK293 cell lysate stained with anti-DYKDDDDK Tag at 1:3000 diluiton (Lane C). Primary antibodies were incubated at RT for 1 hour.



ARG63146 anti-BAIAP2 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human cortex tissue. Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0). The tissue section was stained with ARG63146 anti-BAIAP2 antibody at 3.75 µg/ml dilution followed by AP-staining.