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# ARG63146
# anti-BAIAP2 antibody

Package: 100 µg
Store at: -20°C

## Summary

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|---|---|
| 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

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| Form | Liquid |
| Purification | Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide. |
| Buffer | Tris saline (pH 7.3), 0.02% Sodium azide and 0.5% BSA |
| Preservative | 0.02% Sodium azide |
| Stabilizer | 0.5% BSA |

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| 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

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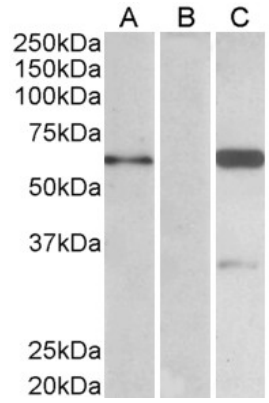
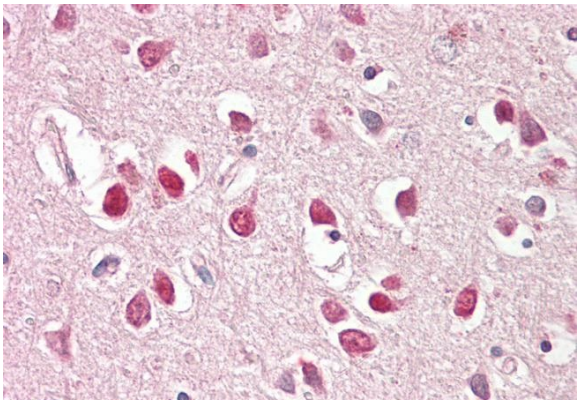
|---|---|
| Database links | GeneID: 10458 Human<br><br>Swiss-port # Q9UQB8 Human |
| Background | The protein encoded by this gene has been identified as a brain-specific angiogenesis inhibitor (BAI1)-binding protein. This adaptor protein links membrane bound G-proteins to cytoplasmic effector proteins. 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.