

Rabbit BAIAP2 Polyclonal Antibody | anti-BAIAP2 antibody

BAIAP2 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA167710	Rabbit	Human, Mouse, Rat	Immunofluorescence, Immunohistochemistry, Western Blot

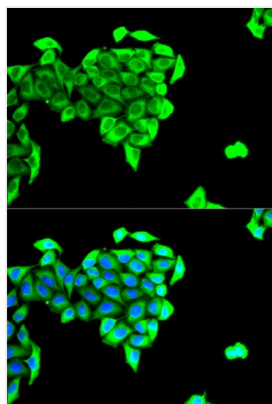
PRODUCT SYNONYMS

BAIAP2; Polyclonal Antibody; BAIAP2 Antibody; BAP2; FLAF3; IRSP53; anti-BAIAP2 antibody

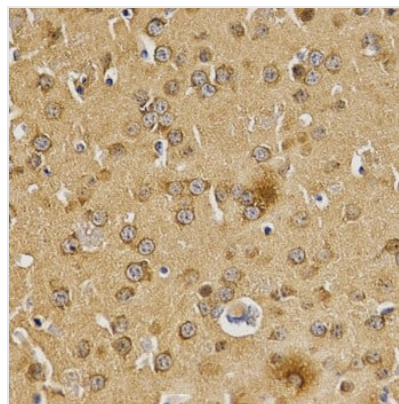
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Antigen affinity purification
Concentration	1mg/mL (varies by lot)
Sequence Length	534
Applicable Applications for anti-BAIAP2 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Recombinant protein of human BAIAP2
Buffer	PBS with 0.02% sodium azide, 50% glycerol, pH7.3
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-50008 / sc-50011 / sc-134810
Preparation and Storage	Store at -20 degree C (regular) and -80 degree C (long term). Avoid freeze / thaw cycles.

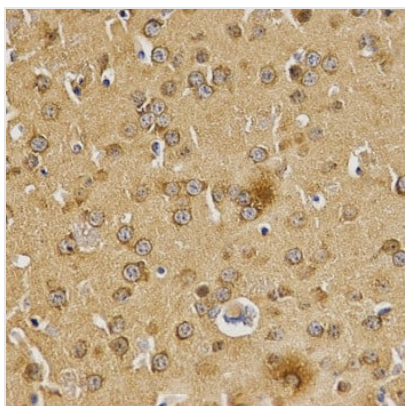
IMAGES


IF (Immunofluorescence)

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

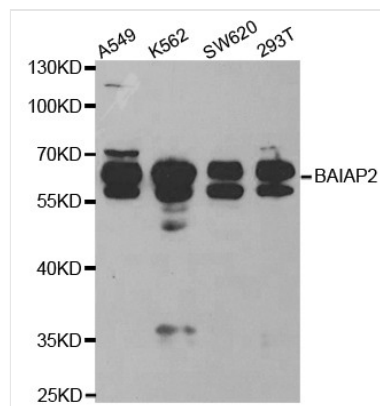

IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded mouse brain using BAIAP2 antibody at dilution of 1:200 (x400 lens)



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human kidney using BAIAP2 antibody at dilution of 1:200 (x400 lens)



WB (Western Blot)

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

ADDITIONAL INFORMATION

Related Product Information for anti-BAIAP2 antibody

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.

NCBI AND UNIPROT INFORMATION

NCBI GI #	222080100
NCBI GeneID	10458
NCBI Accession #	NP_001138360.1
NCBI GenBank Nucleotide #	NM_001144888.1
Molecular Weight	57,430 Da
NCBI Official Full Name	brain-specific angiogenesis inhibitor 1-associated protein 2 isoform 4
NCBI Official Synonym Full Names	BAI1-associated protein 2
NCBI Official Symbol	BAIAP2
NCBI Official Synonym Symbols	BAP2; FLAF3; IRSP53
NCBI Protein Information	brain-specific angiogenesis inhibitor 1-associated protein 2; IRS-58; IRSp53/58; fas ligand-associated factor 3; insulin receptor substrate p53/p58; insulin receptor substrate protein of 53 kDa
UniProt Protein Name	Brain-specific angiogenesis inhibitor 1-associated protein 2
UniProt Gene Name	BAIAP2
UniProt Synonym Gene Names	BAI-associated protein 2; BAI1-associated protein 2; Protein BAP2; FLAF3; IRS-58; IRSp53/58; IRSp53; Insulin receptor substrate p53
UniProt Entry Name	BAIP2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.