

BAIAP2 Antibody (C-term)
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP8174A**Specification**

BAIAP2 Antibody (C-term) - Product Information

Application	WB, IHC-P,E
Primary Accession	O9UQB8-5
Other Accession	NP_006331
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Antigen Region	492-518

BAIAP2 Antibody (C-term) - Additional Information**Other Names**

Brain-specific angiogenesis inhibitor 1-associated protein 2, BAI-associated protein 2, BAI1-associated protein 2, Protein BAP2, Fas ligand-associated factor 3, FLAF3, Insulin receptor substrate p53/p58, IRS-58, IRSp53/58, Insulin receptor substrate protein of 53 kDa, IRSp53, Insulin receptor substrate p53, BAIAP2

Target/Specificity

This BAIAP2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 492-518 amino acids from the C-terminal region of human BAIAP2.

Dilution

WB~~1:1000
IHC-P~~1:50~100

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

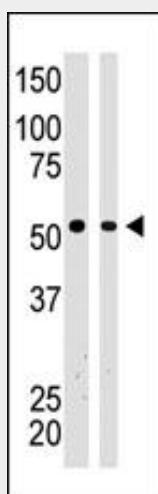
BAIAP2 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

BAIAP2 Antibody (C-term) - Protein Information**BAIAP2 Antibody (C-term) - Protocols**

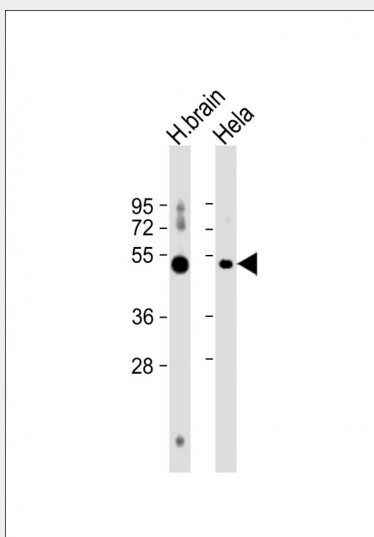
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

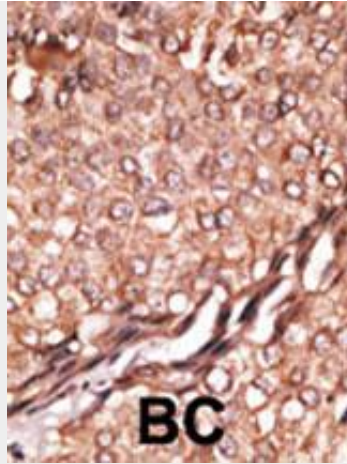
BAIAP2 Antibody (C-term) - Images



The anti-BAIAP2 Pab (Cat. #AP8174a) is used in Western blot to detect BAIAP2 in mouse brain tissue lysate (Lane 1) and A375 cell lysate (Lane 2).



All lanes : Anti-BAIAP2 Antibody (C-term) at 1:1000 dilution Lane 1: human brain lysate Lane 2: HeLa whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 61 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by AEC staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated. BC = breast carcinoma; HC = hepatocarcinoma.

BAIAP2 Antibody (C-term) - Background

BAIAP2, a target of p53, has been identified as a brain-specific angiogenesis inhibitor (BAI1)-binding protein. This interaction at the cytoplasmic membrane is crucial to the function of this protein, which may be involved in neuronal growth-cone guidance. This protein functions as an insulin receptor tyrosine kinase substrate and suggests a role for insulin in the central nervous system. This protein has also been identified as interacting with the dentatorubral-pallidoluysian atrophy gene, which is associated with an autosomal dominant neurodegenerative disease. It also associates with a downstream effector of Rho small G proteins, which is associated with the formation of stress fibers and cytokinesis.

BAIAP2 Antibody (C-term) - References

Fujiwara, T., et al., Biochem. Biophys. Res. Commun. 271(3):626-629 (2000).
Abbott, M.A., et al., J. Neurosci. 19(17):7300-7308 (1999).
Okamura-Oho, Y., et al., Hum. Mol. Genet. 8(6):947-957 (1999).
Oda, K., et al., Cytogenet. Cell Genet. 84 (1-2), 75-82 (1999).