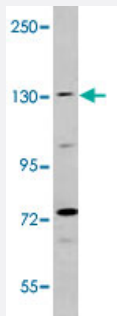


BAI1 polyclonal antibody

Catalog # PAB4057

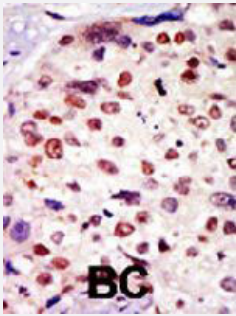
Size 400 uL

Applications



Western Blot (Cell lysate)

Western blot analysis of K-562 cell lysate (35 ug/lane) with BAI1 polyclonal antibody (Cat # PAB4057).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Formalin-fixed and paraffin-embedded human breast cancer tissue reacted with BAI1 polyclonal antibody (Cat # PAB4057), 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.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of BAI1.
Immunogen	A synthetic peptide (conjugated with KLH) corresponding to C-terminus of human BAI1.
Host	Rabbit
Reactivity	Human, Mouse
Form	Liquid
Purification	Protein A purification

Recommend Usage	ELISA (1:1000) Western Blot (1:100-500) Immunohistochemistry (1:50-100) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

Western blot analysis of K-562 cell lysate (35 ug/lane) with BAI1 polyclonal antibody (Cat # PAB4057).

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

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- Enzyme-linked Immunoabsorbent Assay

Gene Info — BAI1

Entrez GeneID	575
Protein Accession#	BAI1_HUMAN
Gene Name	BAI1
Gene Alias	FLJ41988
Gene Description	brain-specific angiogenesis inhibitor 1
Omim ID	602682
Gene Ontology	Hyperlink

Gene Summary

Angiogenesis is controlled by a local balance between stimulators and inhibitors of new vessel growth and is suppressed under normal physiologic conditions. Angiogenesis has been shown to be essential for growth and metastasis of solid tumors. In order to obtain blood supply for their growth, tumor cells are potentially angiogenic and attract new vessels as results of increased secretion of inducers and decreased production of endogenous negative regulators. BAI1 contains at least one 'functional' p53-binding site within an intron, and its expression has been shown to be induced by wildtype p53. There are two other brain-specific angiogenesis inhibitor genes, designated BAI2 and BAI3 which along with BAI1 have similar tissue specificities and structures, however only BAI1 is transcriptionally regulated by p53. BAI1 is postulated to be a member of the secretin receptor family, an inhibitor of angiogenesis and a growth suppressor of glioblastomas [provided by RefSeq]

Other Designations

-

Publication Reference

- [Brain angiogenesis inhibitor 1 is differentially expressed in normal brain and glioblastoma independently of p53 expression.](#)

Kaur B, Brat DJ, Calkins CC, Van Meir EG.

The American Journal of Pathology 2003 Jan; 162(1):19.

Application: IHC-P, WB, Human, HEK 293, U251 cells, Human brain parenchyma, Human glioblastoma

- [Brain-specific angiogenesis inhibitor 1 \(BAI1\) is expressed in human cerebral neuronal cells.](#)

Mori K, Kanemura Y, Fujikawa H, Nakano A, Ikemoto H, Ozaki I, Matsumoto T, Tamura K, Yokota M, Arita N.

Neuroscience Research 2002 May; 43(1):69.

Application: IF, IHC-P, WB, Human, COS-7, T98G, U87 MG cells, Normal human brain

- [Overexpression of the p53-inducible brain-specific angiogenesis inhibitor 1 suppresses efficiently tumour angiogenesis.](#)

Duda DG, Sunamura M, Lozonchi L, Yokoyama T, Yatsuoka T, Motoi F, Horii A, Tani K, Asano S, Nakamura Y, Matsuno S.

British Journal of Cancer 2002 Feb; 86(3):490.

Pathway

- [p53 signaling pathway](#)