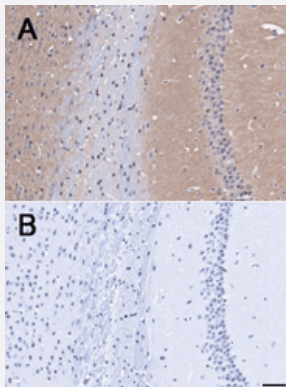


BAI1 polyclonal antibody

Catalog # PAB12475 Size 100 uL

Applications



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

A. Staining of mouse brain using BAI1 polyclonal antibody (Cat # PAB12475).
B. Blocking of staining using control peptide BAI1 polyclonal antibody (Cat # PAB12475).

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of BAI1.
Immunogen	A synthetic peptide corresponding to amino acids 1500-1684 of human BAI1.
Host	Rabbit
Reactivity	Human, Mouse
Form	Liquid
Recommend Usage	Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:4000) The optimal working dilution should be determined by the end user.
Storage Buffer	In Tris-citrate/phosphate buffer, pH 7.0-8.0 (0.09% sodium azide)
Storage Instruction	Store at 4°C. Do not freeze.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

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

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Gene Info — BAI1

Entrez GeneID	575
Protein Accession#	O14514
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 potently 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

Pathway

- [p53 signaling pathway](#)