

## BAI-1 Polyclonal Antibody

### Description

<b>Product type</b>	Primary Antibody
<b>Code</b>	BT-AP00827
<b>Host</b>	Rabbit
<b>Isotype</b>	IgG
<b>Size</b>	20ul, 50ul, 100ul
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human BAI1. AA range:691-740
<b>Mol wt</b>	173533
<b>Species reactivity</b>	Human, Mouse
<b>Clonality</b>	Polyclonal
<b>Recommended application</b>	WB, IHC-p, IF, ELISA
<b>Concentration</b>	1 mg/ml
<b>Full name</b>	BAI-1 Antibody
<b>Synonyms</b>	BAI1; Brain-specific angiogenesis inhibitor 1

**This product is for research use only, not for use in human, therapeutic or diagnostic procedure.**

### Background

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 (adhesion G protein-coupled receptor B1, ADGRB1) 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.

### Recommended Dilution

WB: 1: 500 - 1: 2000

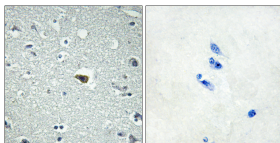
IHC: 1: 100 - 1: 300

IF: 1: 200 - 1: 1000

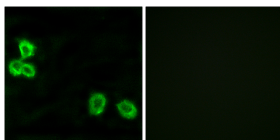
ELISA: 1: 10000

Not yet tested in other applications.

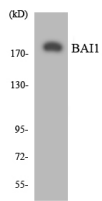
### Images



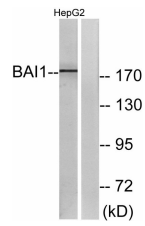
Immunohistochemistry analysis of paraffin-embedded human brain tissue, using BAI1 Antibody. The picture on the right is blocked with the synthesized peptide.



Immunofluorescence analysis of MCF7 cells, using BAI1 Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of the lysates from HUVEC cells using BAI1 antibody.



Western blot analysis of lysates from HepG2 cells, using BAI1 Antibody. The lane on the right is blocked with the synthesized peptide.

### Storage

-20°C for one year

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