BAI-1 rabbit pAb

Cat#: orb769785 (Manual)

For research use only. Not intended for diagnostic use.

Product Name	BAI-1 rabbit pAb
Host species	Rabbit
Applications	WB;IHC;IF;ELISA
Species Cross-Reactivity	Human;Mouse
Recommended dilutions	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/10000. Not yet tested in other applications.
Immunogen	The antiserum was produced against synthesized peptide derived from human BAI1. AA range:691-740
Specificity	BAI-1 Polyclonal Antibody detects endogenous levels of BAI-1 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide..
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	Brain-specific angiogenesis inhibitor 1
Gene Name	BAI1
Cellular localization	Cell membrane ; Multi-pass membrane protein . Cell projection, phagocytic cup . Cell junction, focal adhesion . Cell projection, dendritic spine . Cell junction, synapse, postsynaptic density .; [Vasculostatin-120]: Secreted .; [Vasculostatin-40]: Secreted .
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

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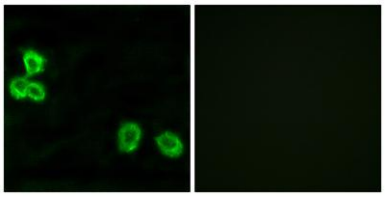
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	174kD
Human Gene ID	575
Human Swiss-Prot Number	O14514
Alternative Names	BAI1; Brain-specific angiogenesis inhibitor 1

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 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,



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

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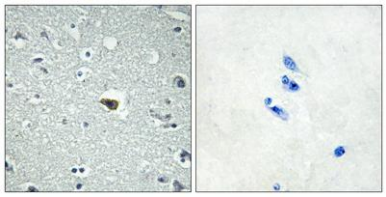
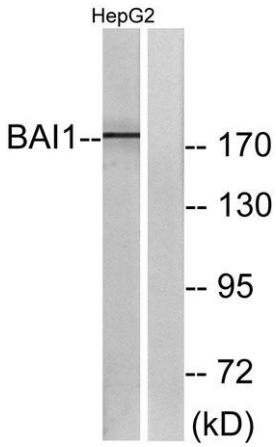
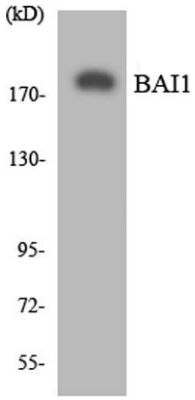


Immunohistochemistry analysis of paraffin-embedded human brain tissue, using BAI1 Antibody. The picture on the right is blocked with the synthesized peptide.



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



Western blot analysis of the lysates from HUVECcells using BAI1 antibody.

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