ELK Biotechnology

BAI1 rabbit pAb

Cat No.:ES20822

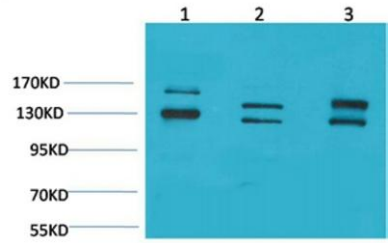
For research use only

Overview

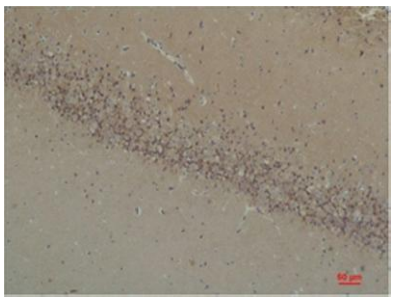
Product Name	BAI1 rabbit pAb
Host species	Rabbit
Applications	WB;IHC;IF
Species Cross-Reactivity	Human;Rat;Mouse
Recommended dilutions	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/40000. Not yet tested in other applications.
Immunogen	Synthetic Peptide of BAI1 AA range: 101-151
Specificity	The antibody detects endogenous BAI1 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]: Secrete
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	130-170kD
Human Gene ID	575
Human Swiss-Prot Number	O14514
Alternative Names	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,

Western blot analysis of 1) 293T, 2)Mouse Brain Tissue, 3) Rat Brain Tissue with BAI1 Rabbit pAb diluted at 1:2,000.



Immunohistochemical analysis of paraffin-embedded Rat Brain Tissue using BAI1 Rabbit pAb diluted at 1:200.



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Western Blot analysis of various cells using antibody diluted at 1:1000. Secondary antibody(catalog#:RS0002) was diluted at 1:20000

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