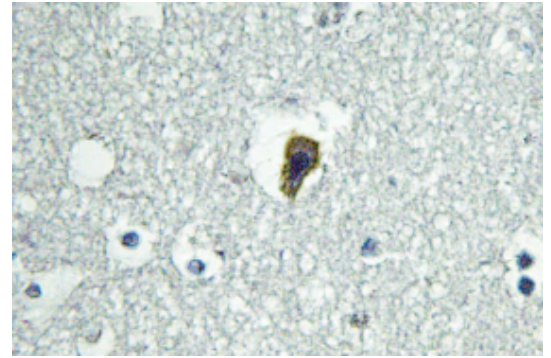


AP01307PU-N**Polyclonal Antibody to BAI1 - Aff - Purified**

Alternate names:	BAI-1, Brain-specific angiogenesis inhibitor 1
Quantity:	0.1 mg
Concentration:	1.0 mg/ml
Background:	Brain-specific angiogenesis inhibitors, including BAI-1, BAI-2 and BAI-3, are integral membrane proteins belonging to the G protein-coupled receptor 2 family. In addition to inhibiting angiogenesis in the brain, BAI proteins are also expressed in the heart, thymus, skeletal muscle, and a variety of cell lines. BAI-1 protein is specifically expressed in the brain and found to localize to the cytoplasm and membrane in neuronal cells of the cerebral cortex. Reduced expression of BAI-1 in some glioblastoma cell lines and cancer tissues implicates the functional role of BAI-1 as an inhibitor of angiogenesis. The exact mechanisms underlying BAI-1 anti-angiogenetic activity are still being investigated. BAI-1 may be involved in mediating the p53 signal in suppression of glioblastoma, as well as in cell adhesion and signal transduction. Additional research shows an inverse correlation with vascularization and BAI-1 expression in both colorectal carcinomas and pulmonary adenocarcinomas.
Uniprot ID:	O14514
NCBI:	NP_001693.2
GeneID:	575
Host:	Rabbit
Immunogen:	Synthetic peptide, corresponding to amino acids 711-760 of Human BAI-1.
Format:	State: Liquid purified Ig fraction (> 95% pure by SDS-PAGE) Purification: Affinity Chromatography using epitope-specific immunogen Buffer System: Phosphate buffered saline (PBS), pH~7.2 Preservatives: 0.05% Sodium Azide
Applications:	Western Blot: 1/500-1/1000. Immunofluorescence: 1/50-1/200. Immunohistochemistry on paraffin sections: 1/50-1/200. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Molecular Weight:	~ 174 kDa
Specificity:	This antibody detects endogenous levels of BAI-1 protein. (region surrounding Gln732)
Species Reactivity:	Tested: Human. Expected from sequence similarity: Mouse and Rat.
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.

Pictures:

Immunohistochemistry (IHC) analyzes of BAI-1 antibody (Cat.-No.: AP01307PU-N) in paraffin-embedded human brain.



Western blot (WB) analysis of BAI-1 antibody (Cat.-No.: AP01307PU-N) in extracts from Jurkat treated with HepG2.

