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Datasheet for ABIN317742

anti-BAI1 antibody

2 Images

Overview

Quantity:	0.1 mg
Target:	BAI1
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This BAI1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (IF), Enzyme Immunoassay (EIA)

Product Details

Specificity:	This antibody detects endogenous levels of BAI-1 protein.(region surrounding Gln732)
Purification:	Affinity Chromatography using epitope-specific immunogen

Target Details

Target:	BAI1
Alternative Name:	BAI1 (BAI1 Products)
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

Target Details

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. Synonyms: BAI-1, Brain-specific angiogenesis inhibitor 1

Molecular Weight: approx. 174 kDa

Gene ID: 575

NCBI Accession: [NP_001693](#)

UniProt: [O14514](#)

Pathways: [p53 Signaling](#)

Application Details

Application Notes: ELISA: 1: 10000 approx. 1: 20000. WB: 1: 500 approx. 1: 1000. IHC: 1: 50 approx. 1: 200.
Other applications not tested.
Optimal dilutions are dependent on conditions and should be determined by the user.

Restrictions: For Research Use only

Handling

Concentration: 1.0 mg/mL

Buffer: Phosphate buffered saline (PBS), pH ~7.2 with 0.05 % Sodium Azide as preservative

Preservative: Sodium azide

Precaution of Use: This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: Avoid repeated freezing and thawing.

Storage: 4 °C/-20 °C

Storage Comment: Store the antibody undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.

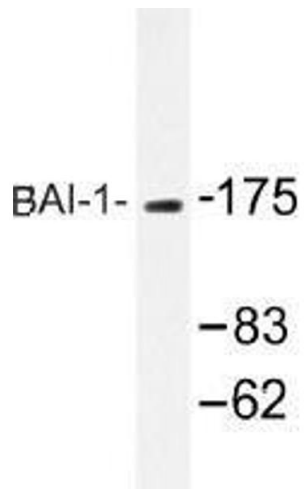


Image 1.

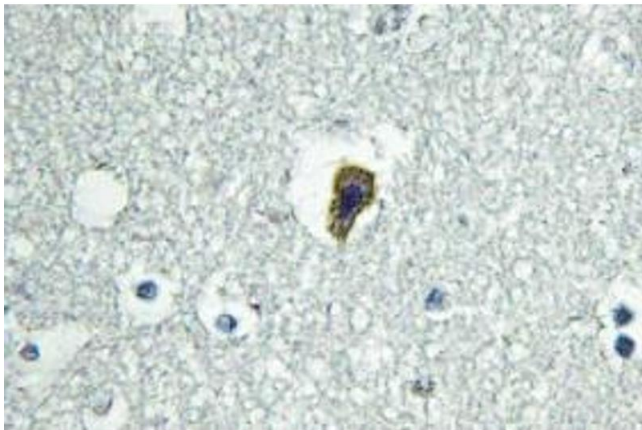


Image 2.