

BAI-1 (Q732) polyclonal antibody

Catalog: BS2784

Host: Rabbit

Reactivity: Human, Mouse, Rat

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-angiogenic 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.

Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

Molecular Weight:

~ 174 kDa

Swiss-Prot:

O14514

Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB: 1:500~1:1000

IHC: 1:50~1:200

IF: 1:50~1:200

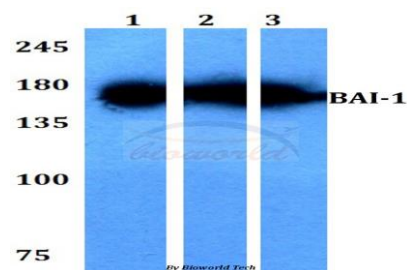
Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Specificity:

BAI-1 (Q732) polyclonal antibody detects endogenous levels of BAI-1 protein.

DATA:

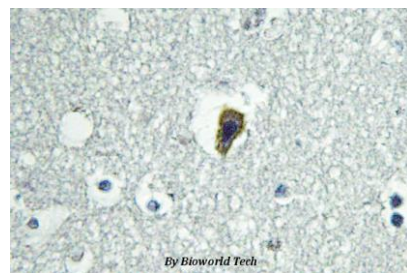


Western blot (WB) analysis of BAI-1 (Q732) polyclonal antibody at 1:500 dilution

Lane1:HEK293T whole cell lysate

Lane2:Raw264.7 whole cell lysate

Lane3:PC12 whole cell lysate



Immunohistochemistry (IHC) analyzes of BAI-1 (Q732) pAb in paraffin-embedded human brain tissue.

Note:

For research use only, not for use in diagnostic procedure.

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