

Rabbit anti-Human, mouse BAI1 Polyclonal Antibody | anti-BAI1 antibody

BAI1 Antibody (C-term)

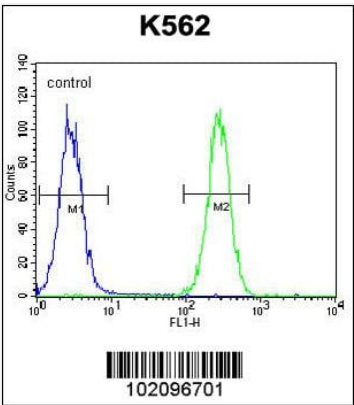
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA289523	Rabbit	Human, mouse	Flow Cytometry, Functional Assay, Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

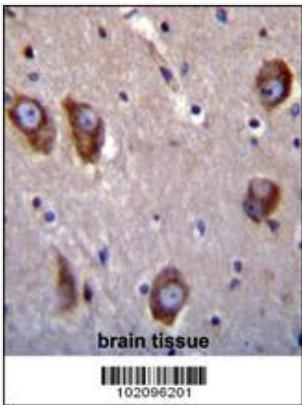
BAI1; Polyclonal Antibody; BAI1 Antibody (C-term); Brain-specific angiogenesis inhibitor 1; anti-BAI1 antibody

PRODUCT SPECIFICATIONS

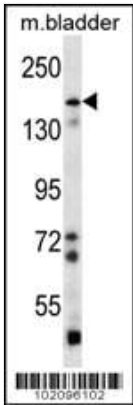
Host	Rabbit
Reactivity	Human, mouse
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This BAI1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1537-1567 amino acids from the C-terminal region of human BAI1.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Sequence Positions	1537-1567
Sequence Length	1,584
Applicable Applications for anti-BAI1 antibody	FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Cellular Location	Cell membrane; Multi-pass membrane protein Note=Likely to be concentrated at cell-cell adhesion sites
Tissue Location	Specifically expressed in brain. Reduced or no expression is observed in some glioblastoma cell lines and cancer tissues. No expression in astrocytes
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.



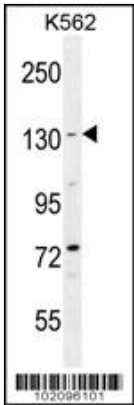
FCM/FACS (Flow Cytometry)
BAI1 Antibody (C-term) flow cytometric analysis of K562 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



IHC (Immunohistochemistry)
BAI1 antibody (C-term) immunohistochemistry analysis in formalin fixed and paraffin embedded human brain tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of BAI1 antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)
BAI1 Antibody (Q1552) western blot analysis in mouse bladder tissue lysates (35ug/lane).This demonstrates the BAI1 antibody detected the BAI1 protein (arrow).



WB (Western Blot)
BAI1 Antibody (Q1552) western blot analysis in K562 cell line lysates (35ug/lane).This demonstrates the BAI1 antibody detected the BAI1 protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-BAI1 antibody	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, an inhibitor of angiogenesis and a growth suppressor of glioblastomas. Function: Phosphatidylserine receptor that enhances the engulfment of apoptotic cells. Likely to be a potent inhibitor of angiogenesis in brain and may play a significant role as a mediator of the p53 signal in suppression of glioblastoma. May function in cell adhesion and signal transduction in the brain.
Product Categories/Family for anti-BAI1 antibody	Cardiovascular ; Immunology ; GPCR Antibodies
References	Kaur, B., et al., Am. J. Pathol. 162(1):19-27 (2003). Mori, K., et al., Neurosci. Res. 43(1):69-74 (2002). Duda, D.G., et al., Br. J. Cancer 86(3):490-496 (2002). Shiratsuchi, T., et al., Biochem. Biophys. Res. Commun. 247(3):597-604 (1998). Fukushima, Y., et al., Int. J. Oncol. 13(5):967-970 (1998).

NCBI AND UNIPROT INFORMATION

NCBI GI #	111118994
NCBI GeneID	575
NCBI Accession #	NP_001693.2
NCBI GenBank Nucleotide #	NM_001702.2
UniProt Accession #	O14514
Molecular Weight	Calculated MW: 173501
NCBI Official Full Name	brain-specific angiogenesis inhibitor 1
NCBI Official Synonym Full Names	adhesion G protein-coupled receptor B1
NCBI Official Symbol	ADGRB1
NCBI Official Synonym Symbols	BAI1; GDAIF
NCBI Protein Information	brain-specific angiogenesis inhibitor 1
UniProt Protein Name	Brain-specific angiogenesis inhibitor 1
UniProt Gene Name	BAI1
UniProt Entry Name	BAI1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/bai1-antibody-flow-cytometry-immunohistochemistry-western-blot-elisa/289523>