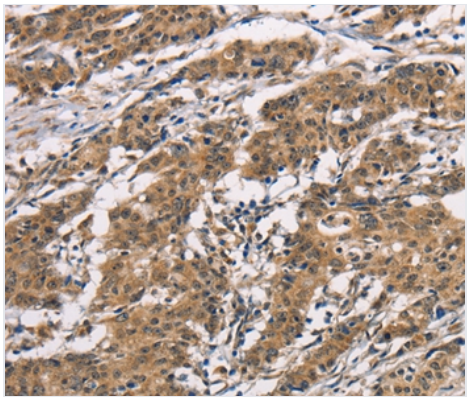
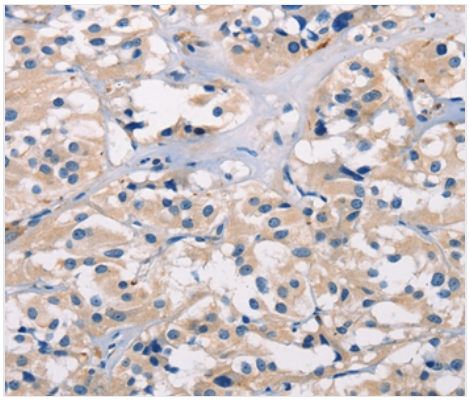
BAI1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	BAI1, Polyclonal Antibody
Full Product Name	BAI1 Antibody
Product Gene Name	anti-BAI1 antibody
Product Synonym Names	GDAIF
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human
Form/Format	Rabbit IgG in pH7.3 PBS, 0.05% NaN3, 50% Glycerol.
Purity/Purification	Antigen affinity purification.
Concentration	2.7 mg/ml (lot specific)
Specificity	The antibody detects endogenous levels of total BAI1 protein.
Preparation and Storage	Store at -20 degree C
Molecular Weight	173,501 Da
OMIM	602682
3D Structure	ModBase 3D Structure for O14514
Immunogen Type	Peptide
Immunogen Description	Synthetic peptide corresponding to a region derived from internal residues of human brain-specific angiogenesis inhibitor 1
Target Name	BAI1
Product Categories/Family for anti-BAI1 antibody	Total protein Ab
Applications Tested/Suitable for anti-BAI1 antibody	Immunohistochemistry (IHC)
Application Notes for anti-BAI1 antibody	Immunohistochemistry: 1:50-1:200
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.
Other Notes	Small volumes of anti-BAI1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for BAI1 purchase	MBS9407209 is an antibody targeting BAI1. Also known as BAI1 Antibody. Reactive in Human. Host: Rabbit.



Immunohistochemistry (IHC) of anti-BAI1 antibody
Immunohistochemical analysis of paraffin-embedded Human gastric cancer tissue using at dilution 1/40.



Immunohistochemistry (IHC) of anti-BAI1 antibody
Immunohistochemical analysis of paraffin-embedded Human thyroid cancer tissue using at dilution 1/40.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for BAI1. It may not necessarily be applicable to this product.

NCBI GI #	111118994
NCBI GeneID	575
NCBI Accession #	NP_001693.2
UniProt Primary Accession #	O14514
UniProt Related Accession #	O14514
GenBank Nucleotide #	NM_001702.2
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
UniProt Protein Name	Brain-specific angiogenesis inhibitor 1
Protein Family	Brain-specific angiogenesis inhibitor
UniProt Gene Name	BAI1
UniProt Entry Name	BAI1_HUMAN
NCBI Protein Information	brain-specific angiogenesis inhibitor 1
NCBI Summary for BAI1	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 [provided by RefSeq, Jul 2008]

UniProt Comments for BAI1	BAI1: 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. Belongs to the G-protein coupled receptor 2 family. LN-TM7 subfamily. Protein type: Membrane protein, integral; Receptor, GPCR; Membrane protein, multi-pass; GPCR, family 2 Chromosomal Location of Human Ortholog: 8q24.3 Cellular Component: integral to plasma membrane; plasma membrane; integral to membrane; intercellular junction Molecular Function: G-protein coupled receptor activity Biological Process: negative regulation of cell proliferation; G-protein coupled receptor protein signaling pathway; negative regulation of angiogenesis; axonogenesis; cell adhesion; signal transduction; peripheral nervous system development
Research Articles on BAI1	**1.** recognition of apoptotic cells by BAI1 contributes to their clearance in the human gastric mucosa and this is associated with anti-inflammatory effects
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