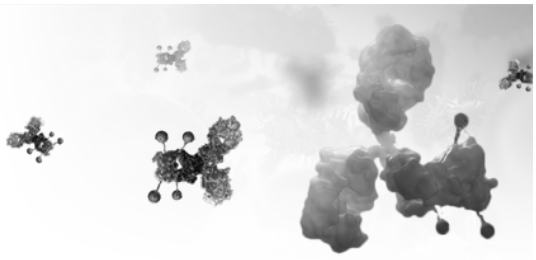

Anti-BAI1 monoclonal antibody (DCABH-10705)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	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
Immunogen	A synthetic peptide of human BAI1 is used for rabbit immunization.
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Purification	Protein A
Conjugate	Unconjugated
Applications	Western Blot (Transfected lysate); ELISA
Buffer	In 1x PBS, pH 7.4
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

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GENE INFORMATION

Gene Name	BAI1 brain-specific angiogenesis inhibitor 1 [Homo sapiens]
Official Symbol	BAI1
Synonyms	BAI1; brain-specific angiogenesis inhibitor 1; GDAIF; FLJ41988;
Entrez Gene ID	575
Protein Refseq	NP_001693
UniProt ID	O14514
Chromosome Location	8q24.3
Pathway	p53 signaling pathway, organism-specific biosystem; p53 signaling pathway, conserved biosystem.
Function	G-protein coupled receptor activity; receptor activity; signal transducer activity;

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