

Rabbit anti-Human, Mouse BAI3 Polyclonal Antibody | anti-BAI3 antibody

BAI3 Antibody

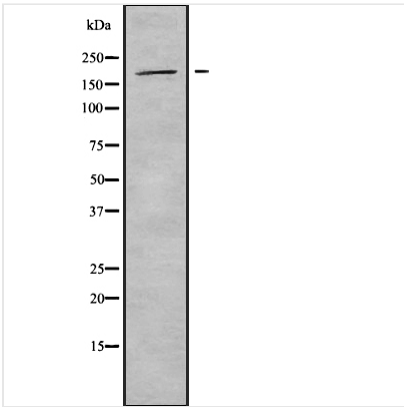
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA322774	Rabbit	Human, Mouse	ELISA, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

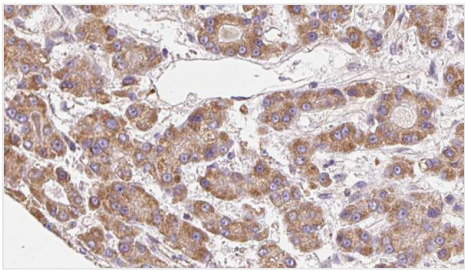
BAI3; Polyclonal Antibody; BAI3 Antibody; BAI3_HUMAN; Brain-specific angiogenesis inhibitor 3; dJ91B17.1 (brain specific angiogenesis inhibitor 3); KIAA0550; anti-BAI3 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	BAI3 antibody detects endogenous levels of total BAI3
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	1522
Applicable Applications for anti-BAI3 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human BAI3
Subcellular Location	Cell Membrane
Tissue Specificity	Strongly expressed in brain. Also detected in heart. Reduced expression in some glioblastoma cell lines.
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Rabbit, Dog
Similarity	Pig (100%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.



WB (Western Blot)
Western blot analysis of BAI3 using 293 whole cell lysates



IHC (Immunohistochemistry)
AAA322774 at 1/100 staining Human liver cancer tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

ADDITIONAL INFORMATION

Related Product Information for anti-BAI3 antibody	Function: Receptor that plays a role in the regulation of synaptogenesis and dendritic spine formation at least partly via interaction with ELMO1 and RAC1 activity (By similarity). Promotes myoblast fusion through ELMO/DOCK1 (PubMed:24567399). Subunit Structure: Forms a heterodimer, consisting of a large extracellular region non-covalently linked to a seven-transmembrane moiety. Interacts (via TSP N-terminal domains) with C1QL1, C1QL2, C1QL3 and C1QL4 (PubMed:21262840). Interacts with ELMO1, ELMO2 AND ELMO3 (PubMed:24567399). Post-translational Modifications: The endogenous protein is proteolytically cleaved into 2 subunits, an extracellular subunit and a seven-transmembrane subunit. Similarity: Belongs to the G-protein coupled receptor 2 family. Adhesion G-protein coupled receptor (ADGR) subfamily.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4502359
NCBI GeneID	577
NCBI Accession #	NP_001695.1
NCBI GenBank Nucleotide #	NM_001704.2
UniProt Accession #	O60242; O60297; Q2NKN6; Q5VY37; Q9BX54; B7Z1K0
Molecular Weight	Observed: 172 kDa Predicted: 172 kDa
NCBI Official Full Name	adhesion G protein-coupled receptor B3
NCBI Official Synonym Full Names	adhesion G protein-coupled receptor B3
NCBI Official Symbol	ADGRB3
NCBI Official Synonym Symbols	BAI3
NCBI Protein Information	adhesion G protein-coupled receptor B3
UniProt Protein Name	Adhesion G protein-coupled receptor B3
UniProt Gene Name	ADGRB3

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.