

BAI2 Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP58671**Specification**

BAI2 Polyclonal Antibody - Product Information

Application	IHC-P, IHC-F, IF, ICC, E
Primary Accession	O60241
Reactivity	Rat, Pig, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	169 KDa
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human BAI2
Epitope Specificity	701-800/1585
Isotype	IgG
Purity	
affinity purified by Protein A	
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Cell Membrane
SIMILARITY	Belongs to the G-protein coupled receptor 2 family. LN-TM7 subfamily. Contains 1 GPS domain. Contains 4 TSP type-1 domains.
SUBUNIT	Interacts with GABPB2 (By similarity).
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Background Descriptions

BAI1, a p53-target gene, encodes brain-specific angiogenesis inhibitor, a seven-span transmembrane protein and is thought to be a member of the secretin receptor family. Brain-specific angiogenesis proteins BAI2 and BAI3 are similar to BAI1 in structure, have similar tissue specificities and may also play a role in angiogenesis.

BAI2 Polyclonal Antibody - Additional Information**Gene ID** 576**Other Names**

Adhesion G protein-coupled receptor B2, Brain-specific angiogenesis inhibitor 2, ADGRB2 (http://www.genenames.org/cgi-bin/gene_symbol_report?hgnc_id=944 target="_blank">HGNC:944), BAI2

Target/Specificity

Strongly expressed in brain. Also detected in heart, thymus, skeletal muscle, and different cell lines.

Dilution

IHC-P~~N/A
IHC-F~~N/A
IF~~1:50~200
ICC~~N/A
E~~N/A

Storage

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

BAI2 Polyclonal Antibody - Protein Information

Name ADGRB2 ([HGNC:944](#))

Synonyms BAI2

Function

Orphan G-protein coupled receptor involved in cell adhesion and probably in cell-cell interactions. Activates NFAT-signaling pathway, a transcription factor, via the G-protein GNAZ (PubMed:[20367554](http://www.uniprot.org/citations/20367554), PubMed:[28891236](http://www.uniprot.org/citations/28891236)). Involved in angiogenesis inhibition (By similarity).

Cellular Location

Cell membrane; Multi-pass membrane protein. Secreted

Tissue Location

Detected in cerebrospinal fluid (at protein level) (PubMed:25326458). Strongly expressed in brain. Also detected in heart, thymus, skeletal muscle, and different cell lines

BAI2 Polyclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

BAI2 Polyclonal Antibody - Images