

## Rabbit BAI1 Polyclonal Antibody | anti-BAI1 antibody

Rabbit Polyclonal to Human BAI1

| CATALOG # | HOST   | REACTIVITY                                                                                                                                                  | APPLICATIONS         |
|-----------|--------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
| AAA52051  | Rabbit | Gibbon, Bovine, Chicken, Gorilla, Hamster, Human, Monkey, Mouse, Rat<br>Predicted Reactivity: Xenopus, Zebrafish (at least 90% immunogen sequence identity) | Immunohistochemistry |

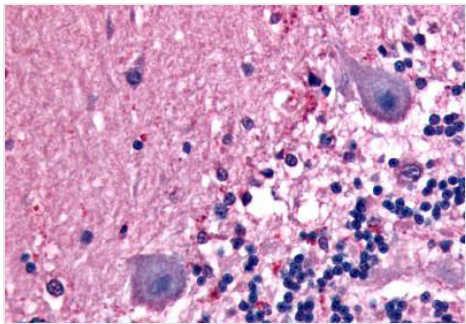
### PRODUCT SYNONYMS

BAI1; Polyclonal Antibody; Rabbit Polyclonal to Human BAI1; Anti-BAI1 Antibody (C-Terminus) IHC-plus; GDAIF; Human BAI1; anti-BAI1 antibody

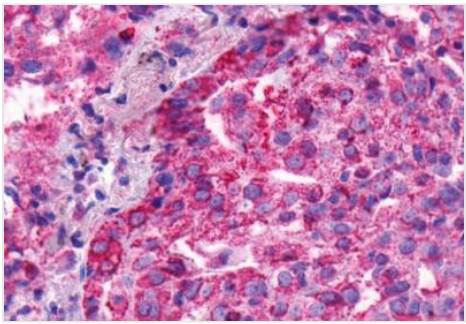
### PRODUCT SPECIFICATIONS

|                                                |                                                                                                                                                                                                                                                                                                                        |
|------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                                                                                                                                                                                                                                                                 |
| Reactivity                                     | Gibbon, Bovine, Chicken, Gorilla, Hamster, Human, Monkey, Mouse, Rat<br><b>Predicted Reactivity:</b> Xenopus, Zebrafish (at least 90% immunogen sequence identity)                                                                                                                                                     |
| Clonality                                      | Polyclonal                                                                                                                                                                                                                                                                                                             |
| Specificity                                    | Human BAI1. BLAST analysis of the peptide immunogen showed no homology with other human proteins.                                                                                                                                                                                                                      |
| Purity/Purification                            | Immunoaffinity Purified                                                                                                                                                                                                                                                                                                |
| Form/Format                                    | PBS, 0.1% sodium azide.                                                                                                                                                                                                                                                                                                |
| Concentration                                  | 1 mg/ml (varies by lot)                                                                                                                                                                                                                                                                                                |
| Sequence Length                                | 1584                                                                                                                                                                                                                                                                                                                   |
| Applicable Applications for anti-BAI1 antibody | IHC (Immunohistochemistry)                                                                                                                                                                                                                                                                                             |
| Target Species                                 | Human                                                                                                                                                                                                                                                                                                                  |
| Immunogen Description                          | Synthetic 16 amino acid peptide from C-terminus of human BAI1. Percent identity with other species by BLAST analysis: Human, Gorilla, Gibbon, Monkey, Mouse, Rat, Hamster, Panda, Bovine, Opossum, Chicken, Platypus (100%); Xenopus, Zebrafish (94%).                                                                 |
| Immunogen Type                                 | Synthetic peptide                                                                                                                                                                                                                                                                                                      |
| Immunogen                                      | BAI1 antibody was raised against synthetic 16 amino acid peptide from C-terminus of human BAI1. Percent identity with other species by BLAST analysis: Human, Gorilla, Gibbon, Monkey, Mouse, Rat, Hamster, Panda, Bovine, Opossum, Chicken, Platypus (100%); Xenopus, Zebrafish (94%); Stickleback, Pufferfish (88%). |
| Antigen Modification                           | C-Terminus                                                                                                                                                                                                                                                                                                             |
| Preparation and Storage                        | Long term: -70 degree C; Short term: +4 degree C                                                                                                                                                                                                                                                                       |

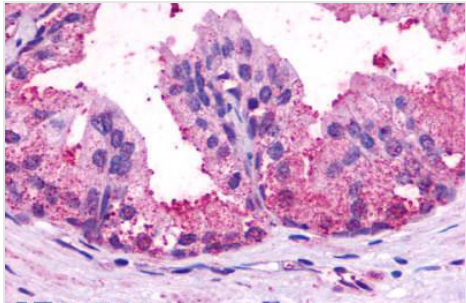
IMAGES



IHC (Immunohistochemistry)  
Anti-BAI1 antibody IHC of human brain, neurons. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.



IHC (Immunohistochemistry)  
Anti-BAI1 antibody IHC of human Lung, Adenocarcinoma. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.



IHC (Immunohistochemistry)  
Anti-BAI1 antibody IHC of human prostate, benign prostatic hyperplasia. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.

ADDITIONAL INFORMATION

|                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|----------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-BAI1 antibody | BAI1 is an Orphan-B GPCR with an unknown ligand. BAI1 is postulated to be a member of the secretin receptor family, an inhibitor of angiogenesis, and a growth suppressor of glioblastoma. Along with BAI1, there are two other brain-specific angiogenesis inhibitor genes, designated BAI2 and BAI3, which have similar tissue specificities and structures. However, only BAI1 is transcriptionally regulated by p53. Loss of BAI1 expression has been implicated in glioblastoma. |
| Product Categories/Family for anti-BAI1 antibody   | Family: GPCR; Subfamily: Orphan-B                                                                                                                                                                                                                                                                                                                                                                                                                                                     |

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                 | 173,501 Da                              |
| NCBI Official Full Name          | brain-specific angiogenesis inhibitor 1 |
| NCBI Official Synonym Full Names | brain-specific angiogenesis inhibitor 1 |
| NCBI Official Symbol             | BAI1                                    |
| NCBI Official Synonym Symbols    | GDAIF                                   |

|                          |                                         |
|--------------------------|-----------------------------------------|
| NCBI Protein Information | brain-specific angiogenesis inhibitor 1 |
| UniProt Protein Name     | Brain-specific angiogenesis inhibitor 1 |
| UniProt Gene Name        | <b>BAI1</b>                             |
| 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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | [contact@aaabiotech.com](mailto:contact@aaabiotech.com)  
Online datasheet: <https://stage.aaabiotech.com/polyclonal/bai1-antibody-immunohistochemistry-elisa/52051>