

**BAI3 Antibody (C-term) Blocking Peptide**  
Synthetic peptide  
Catalog # BP8172a**Specification**

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**BAI3 Antibody (C-term) Blocking Peptide - Product Information**

Primary Accession [O60242](#)  
Other Accession [NP\\_001695](#)

**BAI3 Antibody (C-term) Blocking Peptide - Additional Information**

**Gene ID** 577

**Other Names**

Brain-specific angiogenesis inhibitor 3, BAI3, KIAA0550

**Target/Specificity**

The synthetic peptide sequence used to generate the antibody [AP8172a](/product/products/AP8172a) was selected from the C-term region of human BAI3 . A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**BAI3 Antibody (C-term) Blocking Peptide - Protein Information**

**Name** ADGRB3 ([HGNC:945](#))

**Synonyms** BAI3, KIAA0550

**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:<http://www.uniprot.org/citations/24567399> target="\_blank">24567399</a>).

**Cellular Location**

Cell membrane; Multi-pass membrane protein

**Tissue Location**

Strongly expressed in brain. Also detected in heart. Reduced expression in some glioblastoma cell lines

### **BAI3 Antibody (C-term) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

### **BAI3 Antibody (C-term) Blocking Peptide - Images**

### **BAI3 Antibody (C-term) Blocking Peptide - Background**

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, 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.

### **BAI3 Antibody (C-term) Blocking Peptide - References**

Shiratsuchi, T., et al., Cytogenet. Cell Genet. 79 (1-2), 103-108 (1997).