

**Anti-ADGRB1 / BAI1 Antibody (aa683-732)**  
**Rabbit Anti Human Polyclonal Antibody**  
**Catalog # ALS18111****Specification****Anti-ADGRB1 / BAI1 Antibody (aa683-732) - Product Information**

|                   |                        |
|-------------------|------------------------|
| Application       | WB, IHC-P, E           |
| Primary Accession | <a href="#">O14514</a> |
| Predicted         | Human, Mouse           |
| Host              | Rabbit                 |
| Clonality         | Polyclonal             |
| Isotype           | IgG                    |
| Calculated MW     | 173501                 |

**Anti-ADGRB1 / BAI1 Antibody (aa683-732) - Additional Information****Gene ID 575**

|                     |        |
|---------------------|--------|
| Alias Symbol        | ADGRB1 |
| <b>Other Names</b>  |        |
| ADGRB1, BAI1, GDAIF |        |

**Target/Specificity**

BAI1 Antibody antibody detects endogenous levels of BAI1.

**Reconstitution & Storage**

Immunoaffinity purified

**Precautions**

Anti-ADGRB1 / BAI1 Antibody (aa683-732) is for research use only and not for use in diagnostic or therapeutic procedures.

**Anti-ADGRB1 / BAI1 Antibody (aa683-732) - Protein Information**

**Name** ADGRB1 ([HGNC:943](#))

**Function**

Phosphatidylserine receptor which enhances the engulfment of apoptotic cells (PubMed:[24509909](http://www.uniprot.org/citations/24509909)). Also mediates the binding and engulfment of Gram-negative bacteria (PubMed:[26838550](http://www.uniprot.org/citations/26838550)). Stimulates production of reactive oxygen species by macrophages in response to Gram-negative bacteria, resulting in enhanced microbicidal macrophage activity (PubMed:[26838550](http://www.uniprot.org/citations/26838550)). In the gastric mucosa, required for recognition and engulfment of apoptotic gastric epithelial cells (PubMed:[24509909](http://www.uniprot.org/citations/24509909)). Promotes myoblast fusion (By similarity). Activates the Rho pathway in a G-protein-dependent manner (PubMed:[23782696](http://www.uniprot.org/citations/23782696)).

Inhibits MDM2-mediated ubiquitination and degradation of DLG4/PSD95, promoting DLG4 stability and regulating synaptic plasticity (By similarity). Required for the formation of dendritic spines by ensuring the correct localization of PARD3 and TIAM1 (By similarity). Potent inhibitor of angiogenesis in brain and may play a significant role as a mediator of the p53/TP53 signal in suppression of glioblastoma (PubMed:<a href="http://www.uniprot.org/citations/11875720" target="\_blank">11875720</a>).

**Cellular Location**

Cell membrane; Multi-pass membrane protein. Cell projection, phagocytic cup {ECO:0000250|UniProtKB:Q3UHD1}. Cell junction, focal adhesion {ECO:0000250|UniProtKB:Q3UHD1}. Cell projection, dendritic spine {ECO:0000250|UniProtKB:C0HL12}. Postsynaptic density {ECO:0000250|UniProtKB:Q3UHD1} [Vasculostatin-40]: Secreted

**Tissue Location**

Expressed in brain (at protein level) (PubMed:12074842, PubMed:12507886). Expressed on mononuclear phagocytes and monocyte-derived macrophages in the gastric mucosa (at protein level) (PubMed:24509909). Expressed in normal pancreatic tissue but not in pancreatic tumor tissue (PubMed:11875720). Reduced or no expression is observed in some glioblastomas (PubMed:12507886)

**Anti-ADGRB1 / BAI1 Antibody (aa683-732) - 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](#)

**Anti-ADGRB1 / BAI1 Antibody (aa683-732) - Images**