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ADGRB1 / BAI1 Antibody (C-Terminus)

Rabbit Polyclonal Antibody

Catalog # ALS10235

Specification

ADGRB1 / BAI1 Antibody (C-Terminus) - Product Information

Application	**IHC**
Primary Accession	O14514
Reactivity	**Human, Monkey**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**174kDa KDa**

ADGRB1 / BAI1 Antibody (C-Terminus) - Additional Information

Gene ID 575

Other Names
Brain-specific angiogenesis inhibitor 1, BAI1

Target/Specificity
Human BAI1. BLAST analysis of the peptide immunogen showed no homology with other human proteins.

Reconstitution & Storage
Long term: -70°C; Short term: +4°C

Precautions
ADGRB1 / BAI1 Antibody (C-Terminus) is for research use only and not for use in diagnostic or therapeutic procedures.

ADGRB1 / BAI1 Antibody (C-Terminus) - Protein Information

Name ADGRB1 (HGNC:943)

Function
Phosphatidylserine receptor which enhances the engulfment of apoptotic cells (PubMed:24509909). Also mediates the binding and engulfment of Gram-negative bacteria (PubMed:26838550). Stimulates production of reactive oxygen species by macrophages in response to Gram-negative bacteria, resulting in enhanced microbicidal macrophage activity (PubMed:26838550). In the gastric mucosa, required for recognition and engulfment of apoptotic gastric epithelial cells (PubMed:24509909). Promotes myoblast fusion (By similarity). Activates the Rho pathway in a G-protein-dependent manner (PubMed: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:11875720).

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)

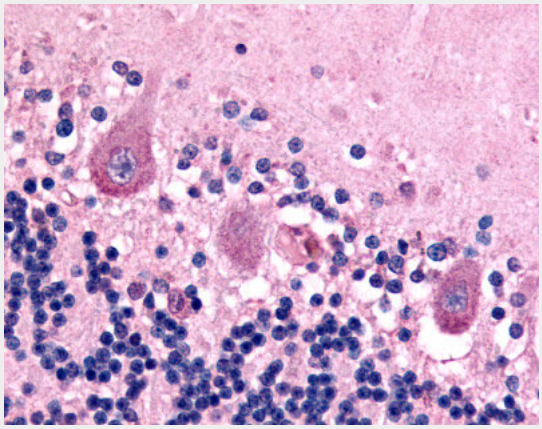
Volume
50 µl

ADGRB1 / BAI1 Antibody (C-Terminus) - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

ADGRB1 / BAI1 Antibody (C-Terminus) - Images



Anti-BAI1 antibody ALS10235 IHC of human brain, neurons.

ADGRB1 / BAI1 Antibody (C-Terminus) - Background

Phosphatidylserine receptor that enhances the engulfment of apoptotic cells. Likely to be a potent inhibitor of angiogenesis in brain and may play a significant role as a mediator of the p53 signal in suppression of glioblastoma. May function in cell adhesion and signal transduction in the brain.

ADGRB1 / BAI1 Antibody (C-Terminus) - References

Nishimori H.,et al.Oncogene 15:2145-2150(1997).
Nusbaum C.,et al.Nature 439:331-335(2006).
Shiratsuchi T.,et al.Biochem. Biophys. Res. Commun. 247:597-604(1998).
Oda K.,et al.Cytogenet. Cell Genet. 84:75-82(1999).
Wu Y.,et al.J. Biol. Chem. 275:21477-21485(2000).