

ADGRB3 Antibody (Cytoplasmic Domain)
Rabbit Polyclonal Antibody
Catalog # ALS10229**Specification**

ADGRB3 Antibody (Cytoplasmic Domain) - Product Information

Application	IHC-P
Primary Accession	O60242
Reactivity	Human, Mouse, Rabbit, Monkey, Chicken, Xenopus, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	172kDa KDa
Dilution	IHC-P~~N/A

ADGRB3 Antibody (Cytoplasmic Domain) - Additional Information**Gene ID** 577**Other Names**

Brain-specific angiogenesis inhibitor 3, BAI3, KIAA0550

Target/Specificity

Human BAI3. BLAST analysis of the peptide immunogen showed no homology with other human proteins.

Reconstitution & Storage

Long term: -70°C; Short term: +4°C

Precautions

ADGRB3 Antibody (Cytoplasmic Domain) is for research use only and not for use in diagnostic or therapeutic procedures.

ADGRB3 Antibody (Cytoplasmic Domain) - 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:<[a href="http://www.uniprot.org/citations/24567399"](http://www.uniprot.org/citations/24567399)target="_blank">24567399).**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

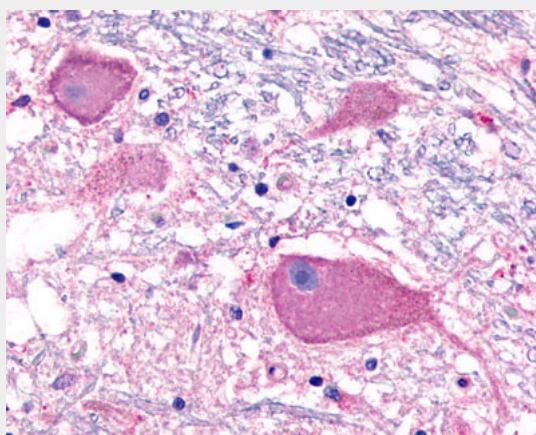
Volume

50 µl

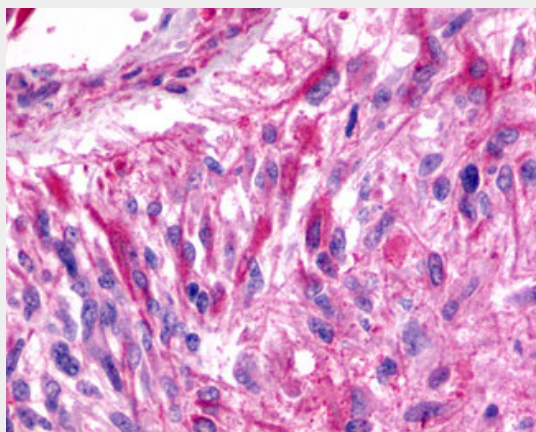
ADGRB3 Antibody (Cytoplasmic Domain) - Protocols

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

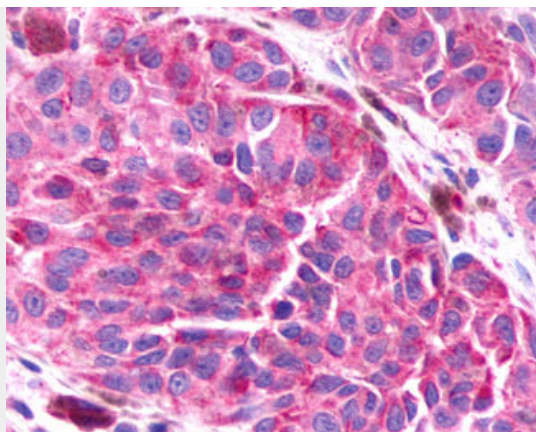
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

ADGRB3 Antibody (Cytoplasmic Domain) - Images

Anti-BAI3 antibody ALS10229 IHC of human brain, neurons.



Anti-BAI3 antibody IHC of human Brain, Glioblastoma.



Anti-BAI3 antibody IHC of human Skin, Melanoma.

ADGRB3 Antibody (Cytoplasmic Domain) - Background

May regulate the number of excitatory synapses that are formed on hippocampus neurons. Has no effect on inhibitory synapses. Might be involved in angiogenesis inhibition and suppression of glioblastoma.

ADGRB3 Antibody (Cytoplasmic Domain) - References

- Shiratsuchi T.,et al.Cytogenet. Cell Genet. 79:103-108(1997).
- Nagase T.,et al.DNA Res. 5:31-39(1998).
- Nakajima D.,et al.DNA Res. 9:99-106(2002).
- Ota T.,et al.Nat. Genet. 36:40-45(2004).
- Mungall A.J.,et al.Nature 425:805-811(2003).