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ADGRB3 Antibody (Cytoplasmic Domain)

Rabbit Polyclonal Antibody
Catalog # ALS10229

Specification

ADGRB3 Antibody (Cytoplasmic Domain) - Product Information

Application	**IHC**
Primary Accession	O60242
Reactivity	**Human, Mouse, Rabbit, Monkey, Chicken, Xenopus, Bovine**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**172kDa KDa**

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: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

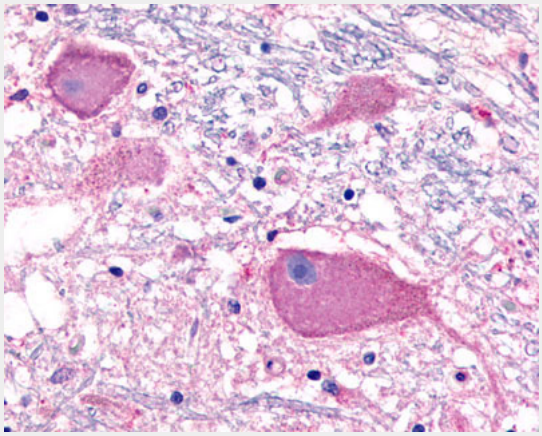
Volume
50 µl

ADGRB3 Antibody (Cytoplasmic Domain) - Protocols

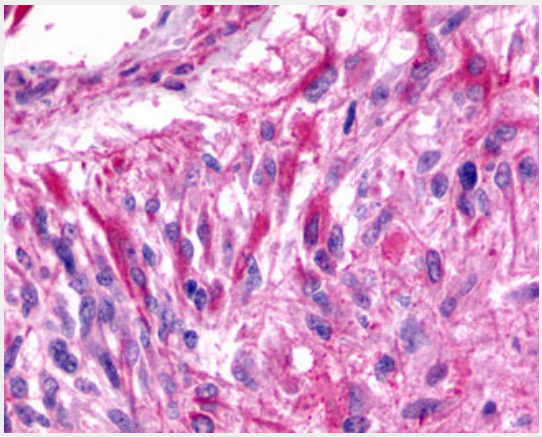
Provided below are standard protocols that you may find useful for product applications.

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

ADGRB3 Antibody (Cytoplasmic Domain) - Images

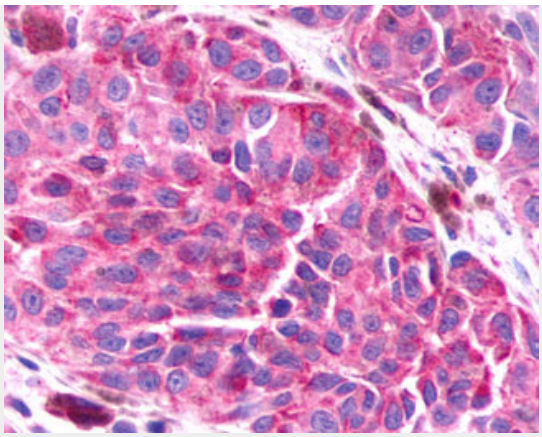


Anti-BAI3 antibody ALS10229 IHC of human brain, neurons.



Anti-BAI3 antibody IHC of human Brain, Glioblastoma.

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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).