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ADGRB3 Antibody (aa1506-1522)

Rabbit Polyclonal Antibody
Catalog # ALS12810

Specification

ADGRB3 Antibody (aa1506-1522) - Product Information

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

ADGRB3 Antibody (aa1506-1522) - Additional Information

Gene ID 577

Other Names
Brain-specific angiogenesis inhibitor 3, BAI3, KIAA0550

Target/Specificity
KLH conjugated synthetic peptide comprising amino acids 1506 - 1522 [CLNLPLDVQEGDFQTEV] of the human brain-specific angiogenesis inhibitor 3 (BAI3) protein.

Reconstitution & Storage
Long term: -20°C; Short term: +4°C. Avoid repeat freeze-thaw cycles.

Precautions
ADGRB3 Antibody (aa1506-1522) is for research use only and not for use in diagnostic or therapeutic procedures.

ADGRB3 Antibody (aa1506-1522) - 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

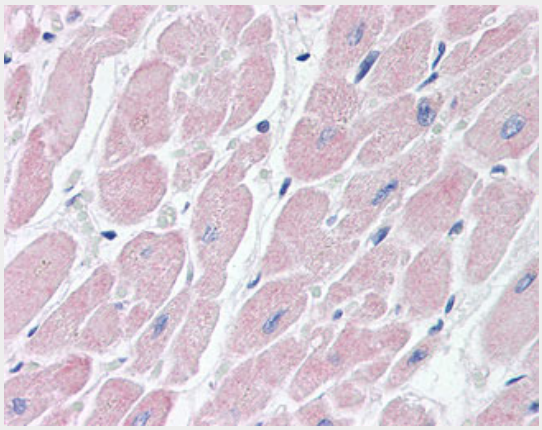
Strongly expressed in brain. Also detected in heart. Reduced expression in some glioblastoma cell lines

ADGRB3 Antibody (aa1506-1522) - Protocols

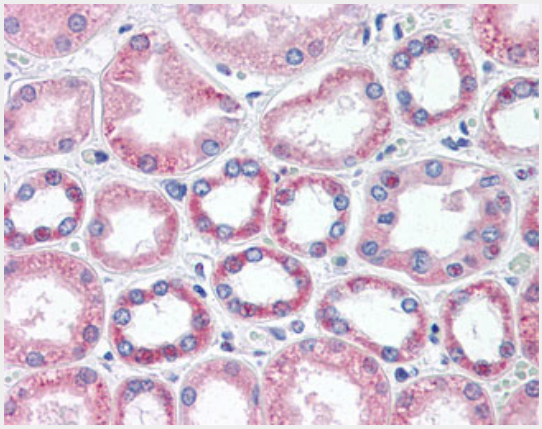
Provided below are standard protocols that you may find useful for product applications.

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

ADGRB3 Antibody (aa1506-1522) - Images



Anti-BAI3 antibody IHC of human heart.



Anti-BAI3 antibody IHC of human kidney.

ADGRB3 Antibody (aa1506-1522) - 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.

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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).