10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

AHI1 / Jouberin Antibody (N-Term)

Peptide-affinity purified goat antibody
Catalog # AF2420a

Specification

AHI1 / Jouberin Antibody (N-Term) - Product Information

Application	**E**
Primary Accession	Q8N157
Other Accession	NP_060121.3, NP_001128303.1, NP_001128302.1, NP_001128304.1, 54806
Predicted	**Human**
Host	**Goat**
Clonality	**Polyclonal**
Concentration	**0.5 mg/ml**
Isotype	**IgG**
Calculated MW	**137115**

AHI1 / Jouberin Antibody (N-Term) - Additional Information

Gene ID 54806

Other Names
Jouberin, Abelson helper integration site 1 protein homolog, AHI-1, AHI1

Format
0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
AHI1 / Jouberin Antibody (N-Term) is for research use only and not for use in diagnostic or therapeutic procedures.

AHI1 / Jouberin Antibody (N-Term) - Protein Information

Name AHI1

Function
Involved in vesicle trafficking and required for ciliogenesis, formation of primary non-motile cilium, and recruitment of RAB8A to the basal body of primary cilium. Component of the tectonic-like complex, a complex localized at the transition zone of primary cilia and acting as a barrier that prevents diffusion of transmembrane proteins between the cilia and plasma membranes. Involved in neuronal differentiation. As a positive modulator of classical Wnt signaling, may play a crucial role in ciliary signaling during cerebellum embryonic development (PubMed:21623382).

Cellular Location
Cytoplasm, cytoskeleton, cilium basal body. Cell junction, adherens junction. Cytoplasm, cytoskeleton, microtubule organizing center, centrosome, centriole {ECO:0000250|UniProtKB:Q8K3E5}. Note=In the retinal photoreceptor cell layer, localizes at the connecting cilium {ECO:0000250|UniProtKB:Q8K3E5}

Tissue Location
Highly expressed in the most primitive normal hematopoietic cells. Expressed in brain, particularly in neurons that give rise to the crossing axons of the corticospinal tract and superior cerebellar peduncles. Expressed in kidney (renal collecting duct cells) (at protein level).

AHI1 / Jouberin Antibody (N-Term) - 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

AHI1 / Jouberin Antibody (N-Term) - Images

AHI1 / Jouberin Antibody (N-Term) - Background

This antibody is expected to recognise both reported isoforms. Variants (NP_060121.3; NP_001128303.1; NP_001128302.1) encode the same isofom.

AHI1 / Jouberin Antibody (N-Term) - References

Ahi-1, a novel gene encoding a modular protein with WD40-repeat and SH3 domains, is targeted by the Ahi-1 and Mis-2 provirus integrations. Jiang X, Hanna Z, Kaouass M, Girard L, Jolicoeur P. J Virol. 2002 Sep;76(18):9046-59. PMID: 12186888