

AHI1 Blocking Peptide (Center)

Synthetic peptide

Catalog # BP21713c

Specification

AHI1 Blocking Peptide (Center) - Product Information

Primary Accession

[Q8N157](#)**AHI1 Blocking Peptide (Center) - Additional Information****Gene ID** 54806**Other Names**

Joubertin, Abelson helper integration site 1 protein homolog, AHI-1, AHI1

Target/Specificity

The synthetic peptide sequence is selected from aa 409-422 of HUMAN AHI1

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

AHI1 Blocking Peptide (Center) - 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 Blocking Peptide (Center) - Protocols

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

- [Blocking Peptides](#)

AHI1 Blocking Peptide (Center) - Images

AHI1 Blocking Peptide (Center) - Background

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.

AHI1 Blocking Peptide (Center) - References

Close J.P., et al. BMC Genomics 5:33-33(2004).
Westin E.H., et al. Submitted (JUN-2005) to the EMBL/GenBank/DDBJ databases.
Wiemann S., et al. Genome Res. 11:422-435(2001).
Ota T., et al. Nat. Genet. 36:40-45(2004).
Mungall A.J., et al. Nature 425:805-811(2003).