

**AHI1 Antibody (Center)**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP21713c****Specification**

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**AHI1 Antibody (Center) - Product Information**

Application	WB,E
Primary Accession	<a href="#">Q8N157</a>
Reactivity	Human
Host	Rabbit
Clonality	polyclonal
Isotype	Rabbit IgG
Calculated MW	137115

**AHI1 Antibody (Center) - Additional Information****Gene ID** 54806**Other Names**

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

**Target/Specificity**

This AHI1 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 389-422 amino acids from the Central region of human AHI1.

**Dilution**

WB~~1:2000

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**

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

**Precautions**

AHI1 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

**AHI1 Antibody (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

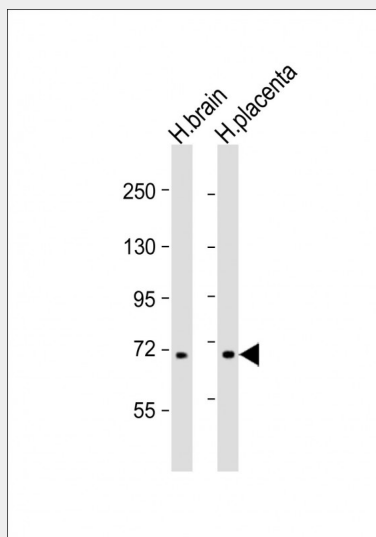
Highly expressed in the most primitive normal hematopoietic cells. Expressed in brain, particularly in neurons that give rise to the crossing axons of the corticospinal tract and superior cerebellar peduncles. Expressed in kidney (renal collecting duct cells) (at protein level).

### AHI1 Antibody (Center) - 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](#)

### AHI1 Antibody (Center) - Images



All lanes : Anti-AHI1 Antibody (Center) at 1:2000 dilution Lane 1: human brain lysate Lane 2: human placenta lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 137 kDa Blocking/Dilution buffer: 5% NFD/MTBST.

### AHI1 Antibody (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 Antibody (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).