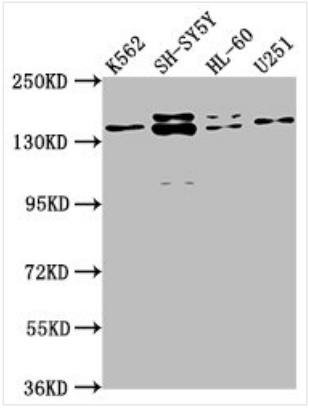
AHI1 Antibody – Rabbit Polyclonal

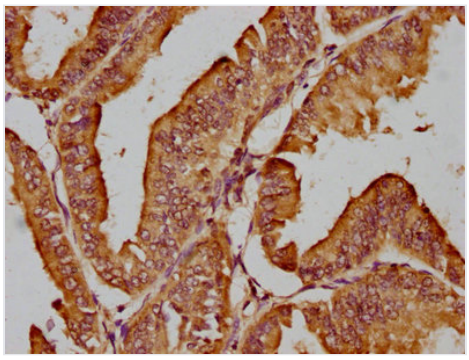
PRODUCT OVERVIEW

Product Name	AHI1, Polyclonal Antibody
Full Product Name	AHI1 Antibody
Product Gene Name	anti-AHI1 antibody
Product Synonym Names	Jouberin; Abelson helper integration site 1 protein homolog; AHI-1; AHI1
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Liquid
Purity/Purification	>95% Protein G Purified
Preparation and Storage	Upon receipt, store at-20 degree C or-80 degree C. Avoid repeated freeze.
Matching Pairs	Unconjugated Antibody: AHI1 (MBS7114274) HRP Conjugated Antibody: AHI1 (MBS7114275)
Matching Pairs	Unconjugated Antibody: AHI1 (MBS7114274) FITC Conjugated Antibody: AHI1 (MBS7114276)
Matching Pairs	Unconjugated Antibody: AHI1 (MBS7114274) Biotin Conjugated Antibody: AHI1 (MBS7114277)
Molecular Weight	120,853 Da
3D Structure	ModBase 3D Structure for Q8N157
Immunogen Species	Human
Immunogen	Recombinant Human Jouberin protein (1-213AA)
Conjugate	Non-Conjugated
Preservative	0.03% Proclin 300
Constituents	50% Glycerol, 0.01M PBS, pH 7.4
Product Categories/Family for anti-AHI1 antibody	Cell Biology
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-AHI1 antibody	ELISA (EIA), Western Blot (WB), Immunohistochemistry (IHC)
Application Notes for anti-AHI1 antibody	WB: 1:1000-1:5000 IHC: 1:200-1:500
Related Product Information for anti-AHI1 antibody	MBS7114274 is an antibody targeting AHI1. Also known as AHI1 Antibody. Reactive in Human. Host: Rabbit.

Other Notes	Small volumes of anti-AHI1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Western Blot (WB) of anti-AHI1 antibody
Western BlotPositive WB detected in: K562 whole cell lysate, SH-SY5Y whole cell lysate, HL-60 whole cell lysate, U251 whole cell lysateAll lanes: AHI1 antibody at 1:2000SecondaryGoat polyclonal to rabbit IgG at 1/50000 dilutionPredicted band size: 138, 121, 71 kDaObserved band size: 138 kDa



Immunohistochemistry (IHC) of anti-AHI1 antibody
IHC image of CSB-PA836642LA01HU diluted at 1:200 and staining in paraffin-embedded human endometrial cancer performed on a Leica BondTM system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4 degree C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for AHI1. It may not necessarily be applicable to this product.

NCBI GI #	199559438
NCBI GeneID	54806
NCBI Accession #	NP_001128302.1
UniProt Primary Accession #	Q8N157
UniProt Secondary Accession #	Q4FD35; Q504T3; Q5TCP9; Q6P098; Q6PIT6; Q8NDX0; Q9H0H2; E1P584
UniProt Related Accession #	Q8N157
GenBank Nucleotide #	NM_001134830.1
NCBI Official Full Name	jouberin isoform a
NCBI Official Synonym Full Names	Abelson helper integration site 1
NCBI Official Symbol	AHI1
NCBI Official Synonym Symbols	ORF1; AHI-1; JBTS3; dJ71N10.1
UniProt Protein Name	Jouberin
UniProt Synonym Protein Names	Abelson helper integration site 1 protein homolog; AHI-1
Protein Family	Jouberin
UniProt Gene Name	AHI1
UniProt Synonym Gene Names	AHI-1
NCBI Protein Information	jouberin
NCBI Summary for AHI1	This gene is apparently required for both cerebellar and cortical development in humans. This gene mutations cause specific forms of Joubert syndrome-related disorders. Joubert syndrome (JS) is a recessively inherited developmental brain disorder with several identified causative chromosomal loci. Alternatively spliced transcript variants encoding different isoforms have been identified. [provided by RefSeq, Oct 2008]

UniProt Comments for AHI1	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).
Research Articles on AHI1	**1.** Two copies of the MS risk allele within AHI1 (rs11154801) is associated with increased relapses among children and adults.
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