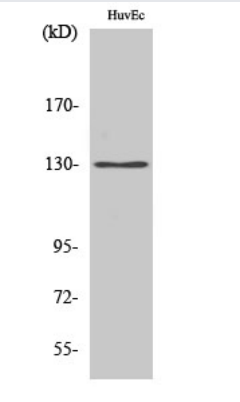
AZI1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	AZI1, Polyclonal Antibody
Full Product Name	AZI1 Polyclonal Antibody
Product Gene Name	anti-AZI1 antibody
Product Synonym Gene Name	CEP131
Product Synonym Names	AZI1; CEP131; KIAA1118; 5-azacytidine-induced protein 1; Centrosomal protein of 131 kDa; Cep131; Pre-acrosome localization protein 1
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 2 weeks. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.
Molecular Weight	122,149 Da
Chromosome Location	Chromosome: 17; NC_000017.10 (79163393..79196751, complement). Location: 17q25.3
OMIM	613479
3D Structure	ModBase 3D Structure for Q9UPN4
Applications Tested/Suitable for anti-AZI1 antibody	Western Blot (WB), Immunohistochemistry-Paraffin (IHC-P)
Related Product Information for anti-AZI1 antibody	Component of centriolar satellites contributing to the building of a complex and dynamic network required to regulate cilia/flagellum formation (PubMed:24185901). In proliferating cells, MIB1-mediated ubiquitination induces its sequestration within centriolar satellites, precluding untimely cilia formation initiation (PubMed:26616734). Acts also as a negative regulator of BBSome ciliary trafficking (PubMed:26297806). Involved in centriole duplication (By similarity). Required for CEP152, WDR62 and CEP63 centrosomal localization and promotes the centrosomal localization of CDK2 (PubMed:26297806).
Other Notes	Small volumes of anti-AZI1 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.
Searchable Terms for AZI1 purchase	MBS9242803 is an antibody targeting AZI1. Also known as AZI1 Polyclonal Antibody. Reactive in Human. Host: Rabbit.



Wester Blot (WB) of anti-AZI1 antibody
Dilution: Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/40000. Not yet tested in other applications.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for AZI1. It may not necessarily be applicable to this product.

NCBI GI #	111955162
NCBI GeneID	22994
NCBI Accession #	NP_001009811.2
UniProt Primary Accession #	Q9UPN4
UniProt Secondary Accession #	Q96F50; A6NHI8; B2RN11
UniProt Related Accession #	Q9UPN4
GenBank Nucleotide #	NM_001009811.2
NCBI Official Full Name	5-azacytidine-induced protein 1 isoform b
NCBI Official Synonym Full Names	5-azacytidine induced 1
NCBI Official Symbol	AZI1
NCBI Official Synonym Symbols	AZ1; ZA1; Cep131
UniProt Protein Name	5-azacytidine-induced protein 1
UniProt Synonym Protein Names	Centrosomal protein of 131 kDa; Cep131; Pre-acrosome localization protein 1
Protein Family	pEARLI1-like lipid transfer protein
UniProt Gene Name	AZI1
UniProt Synonym Gene Names	CEP131; KIAA1118; Cep131
UniProt Entry Name	AZI1_HUMAN
NCBI Protein Information	5-azacytidine-induced protein 1; centrosomal protein 131 kDa; centrosomal protein of 131 kDa; pre-acrosome localization protein 1

UniProt Comments for AZI1	CEP131: a protein of the troponin family. Localized to the centrosome. Two alternatively-spliced isoforms have been described. Protein type: Calcium-binding Chromosomal Location of Human Ortholog: 17q25.3 Cellular Component: nucleoplasm; centriole; microtubule cytoskeleton; centrosome; intercellular bridge; nuclear membrane; cell projection; intracellular membrane-bound organelle; acrosome; microtubule organizing center; nucleus; cytosol Molecular Function: protein binding; protein homodimerization activity; protein complex binding Biological Process: organelle organization and biogenesis; multicellular organismal development; positive regulation of cell proliferation; spermatogenesis; mitotic cell cycle; cell differentiation; G2/M transition of mitotic cell cycle
Research Articles on AZI1	**1.** These data therefore highlight the importance of human Cep131 for maintaining genomic integrity
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