AZI1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	AZI1, Polyclonal Antibody
Full Product Name	AZI1 (Centrosomal Protein of 131kD, 5-azacytidine-Induced Protein 1, Pre-acrosome Localization Protein 1, CEP131, AZI1, KIAA1118) (HRP)
Product Gene Name	anti-AZI1 antibody
Product Synonym Gene Name	CEP131
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Mouse
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Horseradish Peroxidase (HRP).
Purity/Purification	Purified
Specificity	Recognizes mouse AZI1. Species Crossreactivity: mouse
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and store at -20 degree C. Aliquots are stable at -20 degree C for 12 months after receipt. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Note: Sodium azide is a potent inhibitor of peroxidase and should not be added to HRP conjugates.
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
Immunogen	Synthetic peptide corresponding to human AZI1.
Conjugate	HRP
Note	Preservative Free
Product Categories/Family for anti-AZI1 antibody	Antibodies; Centrosomal Proteins
Applications Tested/Suitable for anti-AZI1 antibody	Immunohistochemistry (IHC), Western Blot (WB)
Application Notes for anti-AZI1 antibody	IHC: 1:50-100 WB: 1:1000 Applications are based on unconjugated antibody.
Related Product Information for anti-AZI1 antibody	MBS6454362 is an antibody targeting AZI1. Also known as AZI1 (Centrosomal Protein of 131kD, 5-azacytidine-Induced Protein 1, Pre-acrosome Localization Protein 1, CEP131, AZI1, KIAA1118) (HRP). Reactive in Mouse. Host: Rabbit.
Product References and Citations for anti-AZI1 antibody	Kikuno R., et al. DNA Res. 6:197-205(1999). Zody M.C., et al. Nature 440:1045-1049(2006). Andersen J.S., et al. Nature 426:570-574(2003). Olsen J.V., et al. Cell 127:635-648(2006). Beausoleil S.A., et al. Nat. Biotechnol. 24:1285-1292(2006).

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.

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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