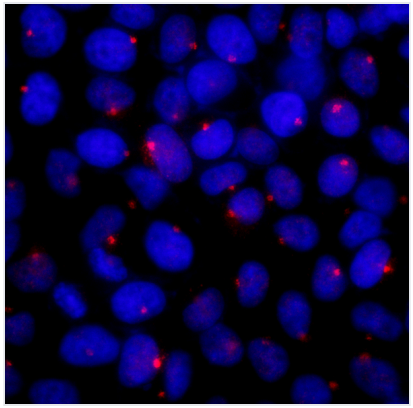
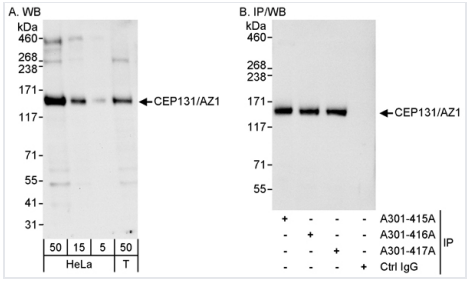
CEP131/AZ1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	CEP131/AZ1, Polyclonal Antibody
Full Product Name	Rabbit anti-CEP131/AZ1 Antibody, Affinity Purified
Product Gene Name	anti-CEP131/AZ1 antibody
Product Synonym Gene Name	CEP131
Product Synonym Names	5-azacytidine induced 1; 5-azacytidine-induced protein 1; AZ1; AZI1; centrosomal protein 131 kDa; centrosomal protein 131kDa; centrosomal protein of 131 kDa; pre-acrosome localization protein 1; ZA1; Centrosomal protein of 131 kDa; centrosomal protein 131
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human
Form/Format	Liquid. Whole IgG. Tris-buffered Saline containing 0.1% BSA and 0.09% Sodium Azide
Purity/Purification	Antigen Affinity Purified
Concentration	200ug/ml (lot specific)
Preparation and Storage	Store at 2-8 degree C Shelf Life: 1 year from date of receipt
OMIM	613479
3D Structure	ModBase 3D Structure for Q9UPN4
Immunogen	Between 1 and 50
Conjugation	Unconjugated
Product Categories/Family for anti-CEP131/AZ1 antibody	Primary Antibodies
Applications Tested/Suitable for anti-CEP131/AZ1 antibody	Western Blot (WB), Immunoprecipitation (IP), Immunocytochemistry-Immunofluorescence (ICC-IF)
Application Notes for anti-CEP131/AZ1 antibody	WB: 1:2000-1:10,000 IP: 6ug/mg lysate ICC-IF: 1:100-1:500. Formaldehyde fixation is recommended. Permeabilization with Triton-X 100 is recommended for formaldehyde-fixed cells.
Related Product Information for anti-CEP131/AZ1 antibody	CEP131/AZ1 was originally identified as a transcript that was increased in cells exposed to the demethylating agent, azacytidine. It was found to localize to the pre-acrosome region of spermatids and therefore thought to play a role in spermatogenesis. CEP131/AZ1 has also been identified as a component of the centrosome.
Other Notes	Small volumes of anti-CEP131/AZ1 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 CEP131/AZ1 purchase	MBS3901910 is an antibody targeting CEP131/AZ1. Also known as Rabbit anti-CEP131/AZ1 Antibody, Affinity Purified. Reactive in Human. Host: Rabbit.



Immunocytochemistry (ICC) of anti-CEP131/AZ1 antibody
Detection of human CEP131/AZ1 by immunocytochemistry. Sample: NBF-fixed asynchronous HeLa cells. Antibody: Affinity purified rabbit anti-CEP131/AZ1 (Cat. No. MBS3901910) used at a dilution of 1:200 (1 ug/ml). Detection: Red-fluorescent goat anti-rabbit IgG highly cross-adsorbed Antibody used at a dilution of 1:100.



Western Blot (WB) of anti-CEP131/AZ1 antibody
Detection of human CEP131/AZ1 by western blot and immunoprecipitation. Samples: Whole cell lysate from HeLa (5, 15 and 50 ug for WB; 1 mg for IP, 20% of IP loaded) and HEK293T (T; 50 ug) cells. Antibodies: Affinity purified rabbit anti-CEP131/AZ1 antibody MBS3901910 used for WB at 0.04 ug/ml (A) and 1 ug/ml (B) and used for IP at 3 ug/mg lysate. CEP131/AZ1 was also immunoprecipitated by rabbit anti-CEP131/AZ1 antibodies MBS3901911 and MBS3901912, which recognize downstream epitopes. Detection: Chemiluminescence with exposure times of 30 seconds (A) and 3 seconds (B).

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CEP131/AZ1. It may not necessarily be applicable to this product.

NCBI GeneID	22994
NCBI Accession #	EAW89632.1
UniProt Primary Accession #	Q9UPN4
UniProt Protein Name	5-azacytidine-induced protein 1
UniProt Synonym Protein Names	Centrosomal protein of 131 kDa; Cep131; Pre-acrosome localization protein 1
UniProt Gene Name	AZI1
UniProt Synonym Gene Names	CEP131; KIAA1118; Cep131
UniProt Entry Name	AZI1_HUMAN
UniProt Comments for CEP131/AZ1	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
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