

AZI1 Conjugated Antibody

Catalog No: #C34342



Package Size: #C34342-AF350 100ul #C34342-AF405 100ul #C34342-AF488 100ul
 #C34342-AF555 100ul #C34342-AF594 100ul #C34342-AF647 100ul
 #C34342-AF680 100ul #C34342-AF750 100ul #C34342-Biotin 100ul

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Description

Product Name	AZI1 Conjugated Antibody
Host Species	Rabbit
Clonality	Polyclonal
Species Reactivity	Hu Ms
Specificity	The antibody detects endogenous levels of total AZI1 protein.
Immunogen Description	Synthesized peptide derived from internal of human AZI1.
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	5-azacytidine-induced 1;centrosomal protein of 131 kDa;Cep131;pre-acrosome localization 1
Accession No.	Swiss-Prot#:Q9UPN4NCBI Gene ID:22994
Uniprot	Q9UPN4
GeneID	22994;
Excitation Emission	AF350: 346nm/442nm AF405: 401nm/421nm AF488: 493nm/519nm AF555: 555nm/565nm AF594: 591nm/614nm AF647: 651nm/667nm AF680: 679nm/702nm AF750: 749nm/775nm
Calculated MW	130
Formulation	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Storage	Store at 4°C in dark for 6 months

Application Details

Suggested Dilution:

AF350 conjugated: most applications: 1: 50 - 1: 250

AF405 conjugated: most applications: 1: 50 - 1: 250

AF488 conjugated: most applications: 1: 50 - 1: 250

AF555 conjugated: most applications: 1: 50 - 1: 250

AF594 conjugated: most applications: 1: 50 - 1: 250

AF647 conjugated: most applications: 1: 50 - 1: 250

AF680 conjugated: most applications: 1: 50 - 1: 250

AF750 conjugated: most applications: 1: 50 - 1: 250

Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1: 50 - 1: 1,000

Product Description

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

Background

Component of centriolar satellites, which build a complex and dynamic network required to regulate cilia/flagellum formation. During normal and stress-induced ciliogenesis, its non-ubiquitinated form is rapidly displaced from centriolar satellites and recruited to centrosome/basal bodies in a p38 MAPK-dependent manner. In contrast, in proliferating cells, MIB1-mediated ubiquitination induces its sequestration within centriolar satellites, precluding untimely cilia formation initiation. Acts also as a negative regulator for the trafficking from the centriolar satellite BBSome protein complex to the cilia. Plays a role in sperm flagellar formation; may be involved in the regulation of intraflagellar transport (IFT) and/or intramanchette (IMT) trafficking, which are important for axoneme extension and/or cargo delivery to the nascent sperm tail. Required for optimal cell proliferation and cell cycle progression; may play a role in the regulation of genome stability and centriole duplication in non-ciliogenic cells.

Note: This product is for in vitro research use only