

KIF22 Conjugated Antibody

Catalog No: #C37684



Package Size: #C37684-AF350 100ul #C37684-AF405 100ul #C37684-AF488 100ul
 #C37684-AF555 100ul #C37684-AF594 100ul #C37684-AF647 100ul
 #C37684-AF680 100ul #C37684-AF750 100ul #C37684-Biotin 100ul

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Description

Product Name	KIF22 Conjugated Antibody
Host Species	Rabbit
Clonality	Polyclonal
Species Reactivity	Hu
Specificity	The antibody detects endogenous levels of total KIF22 protein.
Immunogen Description	Synthetic peptide corresponding to a region derived from internal residues of human kinesin family member 22
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	KID; OBP; KNLSL4; OBP-1; OBP-2; SEMDJL2; A-328A3.2
Accession No.	Swiss-Prot#:Q14807NCBI Gene ID:3835NCBI mRNA#:NCBI Protein#:NP_065867
Uniprot	Q14807
GeneID	3835;
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	73
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

Background

The protein encoded by this gene is a member of the kinesin-like protein family. The family members are microtubule-dependent molecular motors that transport organelles within cells and move chromosomes during cell division. The C-terminal half of this protein has been shown to bind DNA. Studies with the *Xenopus* homolog suggests its essential role in metaphase chromosome alignment and maintenance. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.

Note: This product is for in vitro research use only