CHAMP1 Conjugated Antibody

Catalog No: #C43866

Package Size: #C43866-AF350 100ul #C43866-AF405 100ul #C43866-AF488 100ul #C43866-AF555 100ul #C43866-AF594 100ul #C43866-AF647 100ul #C43866-AF680 100ul #C43866-AF750 100ul #C43866-Biotin 100ul

Orders: order@signalwayantibody.com
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Description

Product Name	CHAMP1 Conjugated Antibody
Host Species	Rabbit
Clonality	Polyclonal
Species Reactivity	Hu
Specificity	The antibody detects endogenous levels of total CHAMP1 protein.
Immunogen Description	Synthetic peptide of human CHAMP1
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	CAMP;CHAMP;MRD40;ZNF828;C13orf8
Accession No.	Swiss-Prot#:Q96JM3NCBI Gene ID:283489NCBI Protein#:NP_115812
Uniprot	Q96JM3
GeneID	283489;
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
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

CHAMP1 (chromosome alignment maintaining phosphoprotein 1), also known as ZNF828 or C13orf8, is a 812 amino acid protein containing one C2H2-type zinc finger. CHAMP1 is required for the proper alignment of chromosomes during metaphase, undergoing CDK1-dependent phosphorylation at multiple sites during mitosis. The phosphorylation counteracts the negative chromosomal alignment regulation of the zinc-finger domain of CHAMP1. One region of CHAMP1, the FPE region, is responsible for spindle and kinetochore localization, which is essential for proper chromosome alignment. CHAMP1 interacts with MAD2L2, PGOZ, CBX1, CBX3 and CBX5, and may recruit CENPE and CENPF to the kinetochore. The CHAMP1 gene is located on chromosome 13 and is conserved in chimpanzee, Rhesus monkey, dog, cow, mouse, rat and chicken.

Note: This product is for in vitro research use only