

Calmodulin (Phospho-Thr79/Ser81) Conjugated Antibody



Catalog No: #C11978

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Package Size: #C11978-AF350 100ul #C11978-AF405 100ul #C11978-AF488 100ul

#C11978-AF555 100ul #C11978-AF594 100ul #C11978-AF647 100ul

#C11978-AF680 100ul #C11978-AF750 100ul #C11978-Biotin 100ul

Description

Product Name	Calmodulin (Phospho-Thr79/Ser81) Conjugated Antibody
Host Species	Rabbit
Clonality	Polyclonal
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous level of Calmodulin only when phosphorylated at threonine 79/serine 81.
Immunogen Description	Peptide sequence around phosphorylation site of threonine79/serine81(K-D-T(p)-D-S(p)-E-E) derived from Human Calmodulin .
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	CALM; CALM1;CALM2;CALM3;CAM
Accession No.	Swiss-Prot#:P62158NCBI Gene ID:808NCBI mRNA#:NM_005184.2NCBI Protein#: NP_005175.2
Uniprot	P62158
GeneID	808;
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	17
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

Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatography using non-phosphopeptide.

Background

Calmodulin mediates the control of a large number of enzymes, ion channels, aquaporins and other proteins by Ca²⁺. Among the enzymes to be stimulated by the calmodulin-Ca²⁺ complex are a number of protein kinases and phosphatases. Together with CCP110 and centrin, is involved in a genetic pathway that regulates the centrosome cycle and progression through cytokinesis.

Note: This product is for in vitro research use only