

Calmodulin (Phospho-Thr79/Ser81) Antibody

Catalog No: #11978



Package Size: #11978-1 50ul #11978-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

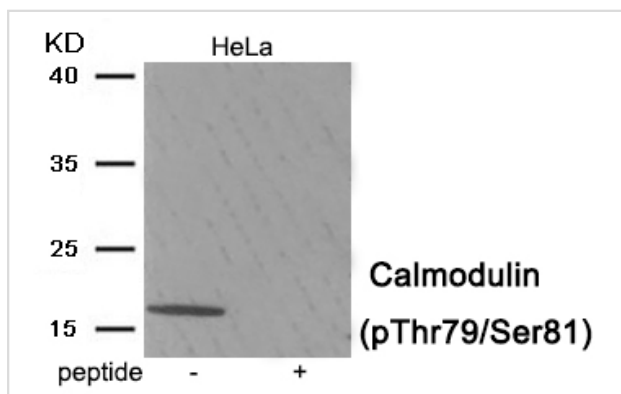
Description

Product Name	Calmodulin (Phospho-Thr79/Ser81) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	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.
Applications	WB
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous level of Calmodulin only when phosphorylated at threonine 79/serine 81.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around phosphorylation site of threonine79/serine81(K-D-T(p)-D-S(p)-E-E) derived from Human Calmodulin .
Target Name	Calmodulin
Modification	Phospho
Other Names	CALM; CALM1; CALM2; CALM3; CAM
Accession No.	Swiss-Prot#: P62158; NCBI Gene#: 808; NCBI Protein#: NP_005175.2
SDS-PAGE MW	17kd
Concentration	1.0mg/ml
Formulation	Rabbit IgG in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C/1 year

Application Details

Western blotting: 1:500~1:1000

Images



Western blot analysis of extracts from HeLa tissue using Calmodulin (Phospho-Thr79/Ser81) antibody #11978. The lane on the right is treated with the antigen-specific peptide.

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.

Allen D, Fakler B, Maylie J, Adelman JP (2007) *J Neurosci* 27, 2369-76

Arrigoni G, et al. (2004) *Biochemistry* 43, 12788-98

Greif DM, Sacks DB, Michel T (2004) *Proc Natl Acad Sci U S A* 101, 1165-70

Note: This product is for in vitro research use only and is not intended for use in humans or animals.