

Product datasheet for **AP55927PU-S**

CALM1 pThr79/Ser81 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	Western blot: 1:500~1:1000.
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Peptide sequence around phosphorylation site of threonine79/serine81(K-D-T(p)-D-S(p)-E-E) derived from Human Calmodulin (KLH-conjugated)
Specificity:	The antibody detects endogenous level of Calmodulin only when phosphorylated at threonine 79/serine 81.
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 State: Aff - Purified State: Liquid Ig fraction
Concentration:	lot specific
Purification:	Affinity chromatography using epitope-specific peptide
Conjugation:	Unconjugated
Storage:	Upon receipt, store undiluted (in aliquots) at -20°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	17 kDa
Gene Name:	calmodulin 1 (phosphorylase kinase, delta)
Database Link:	Entrez Gene 801 Human P0DP23



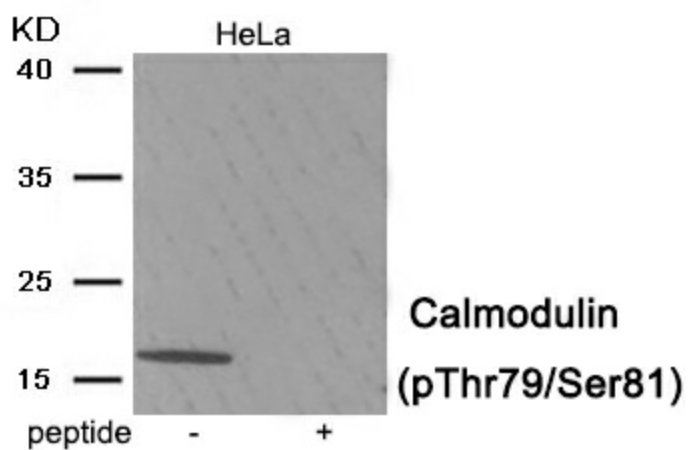
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Background:

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.

Synonyms:

CALM1, CALM, CAM, CAM1

Product images:

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