

Product datasheet for **TA311629**

CALM1 Rabbit Polyclonal Antibody

Product data:

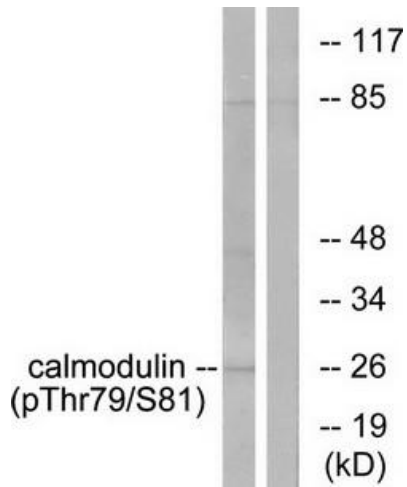
Product Type:	Primary Antibodies
Applications:	IF, IHC, WB
Recommended Dilution:	WB: 1:500~1:3000, IHC: 1:50~1:100, IF: 1:100~1:500, ELISA: 1:5000
Reactivity:	Human, Mouse, Rat
Modifications:	Phospho-specific
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The antiserum was produced against synthesized phosphopeptide derived from human Calmodulin around the phosphorylation site of threonine 79 and serine 81 (K-D-TP-D-SP-E-E).
Formulation:	Phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration:	lot specific
Purification:	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	calmodulin 1 (phosphorylase kinase, delta)
Database Link:	NP_008819 Entrez Gene 12313 Mouse Entrez Gene 24242 Rat Entrez Gene 801 Human P0DP23
Synonyms:	CALML2; caM; CAMI; CPVT4; DD132; LQT14; PHKD
Note:	Calmodulin (Phospho-Thr79+Ser81) antibody detects endogenous levels of Calmodulin only when phosphorylated at threonine 79 and serine 81
Protein Families:	Druggable Genome



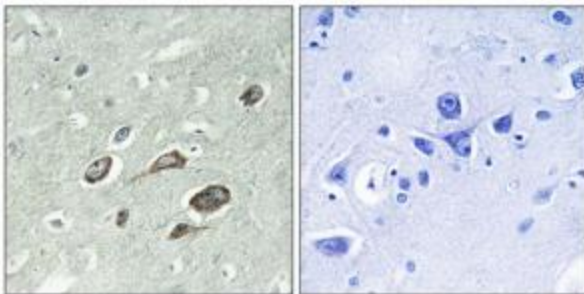
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Protein Pathways:

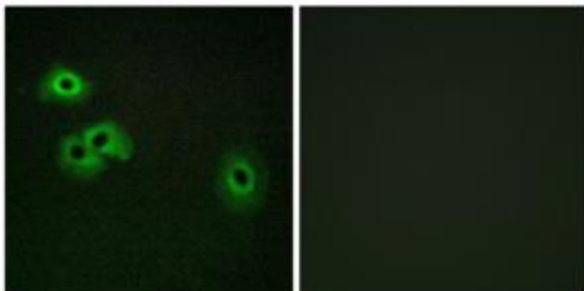
Alzheimer's disease, Calcium signaling pathway, Glioma, GnRH signaling pathway, Insulin signaling pathway, Long-term potentiation, Melanogenesis, Neurotrophin signaling pathway, Olfactory transduction, Oocyte meiosis, Phosphatidylinositol signaling system, Vascular smooth muscle contraction

Product images:


Western blot analysis of extracts from Jurkat cells, treated with Insulin (0.01U/ml, 15mins), using Calmodulin (Phospho-Thr79+Ser81) antibody. The lane on the right is treated with the synthesized peptide.



Immunohistochemistry analysis of paraffin-embedded human brain tissue using Calmodulin (Phospho-Thr79+Ser81) antibody. The picture on the right is treated with the synthesized peptide.



Immunofluorescence analysis of HepG2 cells, using Calmodulin (Phospho-Thr79+Ser81) antibody. The picture on the right is treated with the synthesized peptide.