Anti-Calmodulin 1/2/3 Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

Catalog # R014943

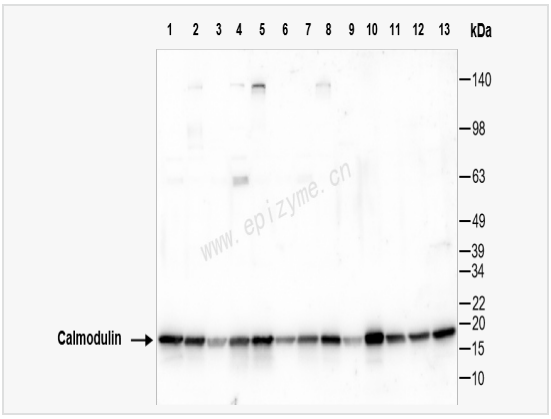
Product Information

Application	WB, ELISA
Reactivity	Human, Mouse, Rat
Dilution	WB 1:1,000~1:2,000
Host	Rabbit
Clonality	Monoclonal
Clone No.	25H89L75
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from human Calmodulin
Format	Affinity purified monoclonal antibody supplied in PBS with 0.01% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-Calmodulin 1/2/3 Rabbit mAb [25H89L75] is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Synonyms	CALM 1, CALM 2, CALM 3, CALM, CALM1, CALM2, CALM3, CALML2, calmodulin 1 (phosphorylase kinase, delta), Calmodulin 1, Calmodulin 2 (phosphorylase kinase, delta), Calmodulin 2, Calmodulin 3 (phosphorylase kinase, delta), Calmodulin 3, CAM 2, CAM 3, CAM, CAM I, CAM1, CAM2, CAM3, CAMB, CAMC, CAMI, CAMII, CAMIII, CPVT4, DD132, FLJ99410, LP7057 protein, PHKD, PHKD2, PHKD3, phosphorylase kinase delta, phosphorylase kinase, delta subunit.
Calculated MW	Calculated MW: 17 kDa; Observed MW: 17 kDa
Uniprot ID	P0DP23, P0DP24, P0DP25
Gene ID	801, 805, 808
Background	This gene encodes a member of a family of proteins that binds calcium and functions as a enzymatic co-factor. Activity of this protein is important in the regulation of the cell cycle and cytokinesis. Multiple alternatively spliced transcript variants have been observed at this gene. [provided by RefSeq, Aug 2016].
Cellular Location	Cytoplasm > cytoskeleton > spindle. Cytoplasm > cytoskeleton > spindle pole. Distributed throughout the cell during interphase, but during mitosis becomes dramatically localized to the spindle poles and the spindle microtubules.

Validation Images



Western Blot - Anti-Calmodulin 1/2/3 Rabbit mAb [25H89L75]
All lanes: R014943 at 1:1,000 dilution
Lane 1: HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysates
Lane 2: HepG2 (Human hepatocarcinoma epithelial cell) whole cell lysates
Lane 3: HCT116 (Human colorectal carcinoma epithelial cell) whole cell lysates
Lane 4: SW620 (Human colorectal carcinoma epithelial cell) whole cell lysates
Lane 5: Caco2 (Human colorectal adenocarcinoma epithelial cell) whole cell lysates
Lane 6: Jurkat (Human T lymphocytic leukemia cell) whole cell lysates
Lane 7: 293T (Human embryonic kidney cell) whole cell lysates
Lane 8: SCC-9 (Human tongue squamous carcinoma epithelial cell) whole cell lysates
Lane 9: Mouse heart whole tissue lysates
Lane 10: Mouse brain whole tissue lysates
Lane 11: C2C12 (Mouse myoblasts epithelial cell) whole cell lysates
Lane 12: Raw264.7 (Mouse mononuclear macrophage leukemia cell) whole cell lysates
Lane 13: PC-12 (Rat adrenal pheochromocytoma epithelial cell) whole cell lysates
Lysates/proteins at 10 µg per lane.
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution
Predicted band size: 17 kDa
Observed band size: 17 kDa
Developed using the ECL technique (Cat. No. SQ201).