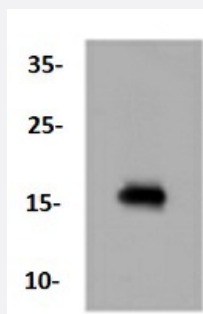


RecomAb™

CALM1 recombinant monoclonal antibody

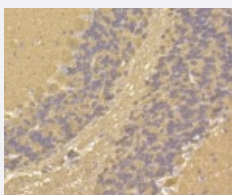
Catalog # RAB02729 Size 100 uL

Applications



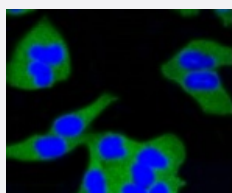
Western Blot (Tissue lysate)

Western blot analysis of Lane1: The brain tissue lysate of Rat with CALM1 recombinant monoclonal antibody (Cat # RAB02729) at 1:1000 dilution.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical analysis of paraffin-embedded mouse cerebellum tissue using CALM1 recombinant monoclonal antibody (Cat # RAB02729). Counter stained with hematoxylin.



Immunocytochemistry

Immunocytochemical staining of HeLa cells using CALM1 recombinant monoclonal antibody (Cat # RAB02729)(green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton *100/PBS.

Specification

Product Description

Rabbit recombinant monoclonal antibody raised against CALM1.

Antibody Species	Rabbit
Immunogen	Original antibody is raised against recombinant CALM1.
Theoretical MW (kDa)	17
Reactivity	Human, Mouse, Rat
Specificity	This antibody detects endogenous levels of Calmodulin and does not cross-react with related proteins.
Form	Liquid
Purification	Protein A purification
Isotype	IgG
Recommend Usage	Immunocytochemistry (1:50-1:200) Immunofluorescence (1:50-1:200) Immunohistochemistry (1:50-1:200) Western Blot (1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH7.2 (50% glycerol and 0.02% sodium azide)
Storage Instruction	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze-thaw cycles.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Tissue lysate)

Western blot analysis of Lane1: The brain tissue lysate of Rat with CALM1 recombinant monoclonal antibody (Cat # RAB02729) at 1:1000 dilution.

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical analysis of paraffin-embedded mouse cerebellum tissue using CALM1 recombinant monoclonal antibody (Cat # RAB02729). Counter stained with hematoxylin.

- Immunocytochemistry

Immunocytochemical staining of HeLa cells using CALM1 recombinant monoclonal antibody (Cat # RAB02729)(green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton *100/PBS.

- Immunofluorescence

Gene Info — CALM1

Entrez GeneID	801
Protein Accession#	P0DP23
Gene Name	CALM1
Gene Alias	CALML2, CAMI, DD132, PHKD
Gene Description	calmodulin 1 (phosphorylase kinase, delta)
Omim ID	114180
Gene Ontology	Hyperlink
Gene Summary	Calmodulin is the archetype of the family of calcium-modulated proteins of which nearly 20 members have been found. They are identified by their occurrence in the cytosol or on membranes facing the cytosol and by a high affinity for calcium. Calmodulin contains 149 amino acids and has 4 calcium-binding domains. Its functions include roles in growth and the cell cycle as well as in signal transduction and the synthesis and release of neurotransmitters.[supplied by OMIM]
Other Designations	calmodulin 1 phosphorylase kinase, delta subunit

Pathway

- [Calcium signaling pathway](#)
- [Glioma](#)
- [GnRH signaling pathway](#)
- [Insulin signaling pathway](#)
- [Long-term potentiation](#)
- [Melanogenesis](#)
- [Neurotrophin signaling pathway](#)
- [Olfactory transduction](#)
- [Phosphatidylinositol signaling system](#)

- [Vascular smooth muscle contraction](#)

Disease

- [Anorexia Nervosa](#)
- [Brain Ischemia](#)
- [Bulimia](#)
- [Cardiovascular Diseases](#)
- [Coronary Artery Disease](#)
- [Coronary Disease](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Myocardial Infarction](#)
- [Osteoarthritis](#)
- [Schizophrenia](#)
- [Scoliosis](#)
- [Stroke](#)