

Acetyl-CALM1(K116) Antibody

Affinity Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP3807a

Specification

Acetyl-CALM1(K116) Antibody - Product Information

Application	DB,E
Primary Accession	<u>P62158</u>
Other Accession	<u>NP_001734.1</u>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Antigen Region	95-121

Acetyl-CALM1(K116) Antibody - Additional Information

Other Names Calmodulin, CaM, CALM1, CALM, CAM, CAM1

Target/Specificity

This Acetyl antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 95-121 amino acids from human Acetyl.

Dilution DB~~1:500

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions Acetyl-CALM1(K116) Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Acetyl-CALM1(K116) Antibody - Protein Information

Acetyl-CALM1(K116) Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

<u>Western Blot</u>



- <u>Blocking Peptides</u>
- <u>Dot Blot</u>
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- <u>Cell Culture</u>

Acetyl-CALM1(K116) Antibody - Images



Dot blot analysis of CALM1 Antibody (Acetyl K116) Acetyl-specific Pab (Cat. #AP3807a) on nitrocellulose membrane. 50ng of Acetyl-peptide or Non Acetyl-peptide per dot were adsorbed. Antibody working concentrations are 0.6ug per ml.

Acetyl-CALM1(K116) Antibody - Background

Calmodulin mediates the control of a large number of enzymes and other proteins by Ca(2+). Among the enzymes to be stimulated by the calmodulin-Ca(2+) complex are a number of protein kinases and phosphatases. Together with CEP110 and centrin, is involved in a genetic pathway that regulates the centrosome cycle and progression through cytokinesis.

Acetyl-CALM1(K116) Antibody - References

Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010) Mototani, H., et al. J. Bone Miner. Metab. 28(5):547-553(2010) Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) : Liu, Y.J., et al. Obesity (Silver Spring) (2010) In press : Benaim, G., et al. Eur. J. Biochem. 269(15):3619-3631(2002)