

Anti-Calcieneurin A Rabbit pAb



WL03449

For Research Use Only. Not For Use In Diagnostic Procedures

Product Information

Product name	Anti-Calcieneurin A Rabbit pAb	
Source	Rabbit	
Species reactivity	Human, Mouse, Rat	
Tested applications	WB	1:500-1:1000
	IHC	1:200
	IF	1:200
Cellular localization	Cell membrane, Cell projection, Cytoplasm, Synapse	
Pack size	50/100/200/500/1000μl	
Storage	Store at -20°C. Avoid freeze/thaw cycles.	
Storage buffer	Supplied in 20 mM phosphate (pH 7.5), 150 mM NaCl, 100 μg/ml	
	BSA, 50% glycerol and less than 0.02% sodium azide	

General Information

Background

Calcineurin, also known as protein phosphatase 2B (PP2B), is a calmodulin-dependent, calcium-activated, serine/threonine protein phosphatase composed of a catalytic subunit (calcineurin A) and a tightly bound regulatory subunit (calcineurin B). When activated by calcium in the presence of the regulatory B subunit and calmodulin, Calcineurin A selectively removes phosphates from serine and threonine residues on target proteins. Although ubiquitously expressed, Calcineurin levels are highest in brain, where the phosphatase plays a role in the formation and retention of memories.

Immunogen

Polyclonal antibody is produced by immunizing animals with a synthetic peptide of Calcineurin A.

Purification

Polyclonal antibody was purified by immunogen affinity chromatography.

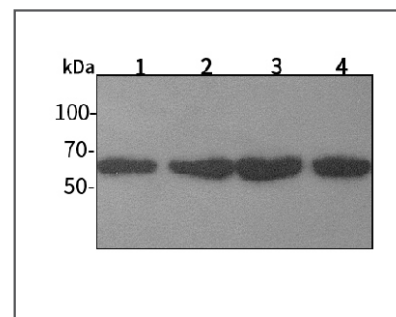
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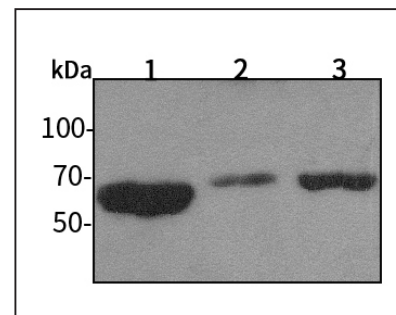
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Product Images



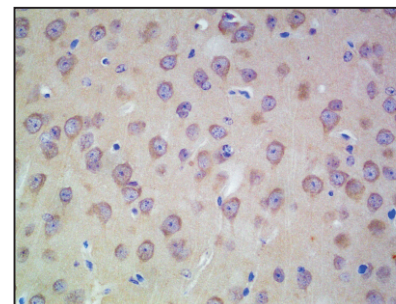
Western blot-Anti-Calcieneurin A pAb

Lane 1: Human HepG2 cell lysate
 Lane 2: Human Hela cell lysate
 Lane 3: Human BGC-823 cell lysate
 Lane 4: Human MGC-803 cell lysate
 All lanes: Anti-Calcieneurin A at 1:1000 dilution
 Lysates/proteins at 20-50 μg per lane.
 Predicted band size: 59 kDa
 Observed band size: 59 kDa



Western blot-Anti-Calcieneurin A pAb

Lane 1: Mouse kidney tissue lysate
 Lane 2: Mouse heart tissue lysate
 Lane 3: Rat lung tissue lysate
 All lanes: Anti-Calcieneurin A at 1:1000 dilution
 Lysates/proteins at 20-50 μg per lane.
 Predicted band size: 59 kDa
 Observed band size: 59 kDa



Immunohistochemistry-Anti-Calcieneurin A pAb

Immunohistochemical analysis of paraffin-embedded mouse brain using anti-Calcieneurin A Rabbit Antibody at 1:200 dilution.
 Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0

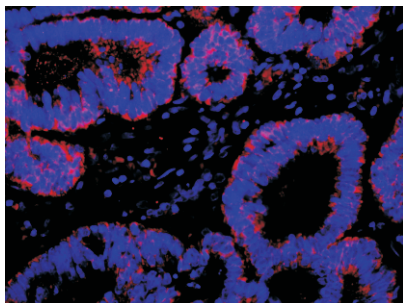
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Immunofluorescence-Anti-Calcineurin A pAb

Immunofluorescence analysis of paraffin-embedded human colon cancer using anti-Calcineurin A Rabbit Antibody at 1:200 dilution.

Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0