

Datasheet for ABIN968349
anti-PPP1R10 antibody (AA 605-716)

4 Images

1 Publication

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Overview

Quantity:	50 µg
Target:	PPP1R10
Binding Specificity:	AA 605-716
Reactivity:	Human, Rat, Mouse
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This PPP1R10 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF)

Product Details

Immunogen:	Rat PNUTS aa. 605-716
Clone:	47-PNUTS
Isotype:	IgG1
Cross-Reactivity:	Human, Mouse (Murine)
Characteristics:	<ol style="list-style-type: none">1. Since applications vary, each investigator should titrate the reagent to obtain optimal results.2. Please refer to us for technical protocols.3. Caution: Sodium azide yields highly toxic hydrazoic acid under acidic conditions. Dilute azide compounds in running water before discarding to avoid accumulation of potentially explosive deposits in plumbing.4. Source of all serum proteins is from USDA inspected abattoirs located in the United States.
Purification:	The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity

Product Details

chromatography.

Target Details

Target:	PPP1R10
Alternative Name:	PNUTS (PPP1R10 Products)
Background:	<p>Many aspects of cellular physiology are influenced by the serine/threonine protein phosphatase1 (PP1). It is a highly conserved eukaryotic protein that reverses the action of protein kinases. PP1 is key to such processes as cell division, neuronal metabolism, and protein synthesis. It consists of a catalytic subunit, with a broad substrate specificity, whose action is directed by its association with a family of regulatory proteins including inhibitor-1, inhibitor-2, and NIPP-1. In response to extracellular stimuli, these proteins interact with PP1 and inhibit its catalytic activity. Other regulatory proteins are referred to as targeting subunits because they direct PP1 to specific subcellular locations and modulate its activity. In the cell nucleus, PP1 has been implicated in a variety of processes. Nuclear PP1 exists in high MW complexes with other proteins including NIPP-1. PNUTS (phosphatase 1 nuclear targeting subunit) is a ubiquitously expressed nuclear protein that forms a stable complex with PP1 and is thought to modulate its catalytic activity. Thus, PNUTS is a specific regulatory protein that directs the nuclear function of PP1.</p>
Molecular Weight:	110 kDa
Pathways:	Protein targeting to Nucleus

Application Details

Comment:	Related Products: ABIN967389
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	250 µg/mL
Buffer:	Aqueous buffered solution containing BSA, glycerol, and ≤0.09 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which

Handling

should be handled by trained staff only.

Storage: -20 °C

Storage Comment: Store undiluted at -20°C.

Publications

Product cited in: Allen, Kwon, Nairn, Greengard: "Isolation and characterization of PNUTS, a putative protein phosphatase 1 nuclear targeting subunit." in: **The Journal of biological chemistry**, Vol. 273, Issue 7, pp. 4089-95, (1998) ([PubMed](#)).

Images



Western Blotting

Image 1. Western blot analysis of PNUTS on rat brain lysate. Lane 1: 1:250, lane 2: 1:500, lane 3: 1:1000 dilution of PNUTS.

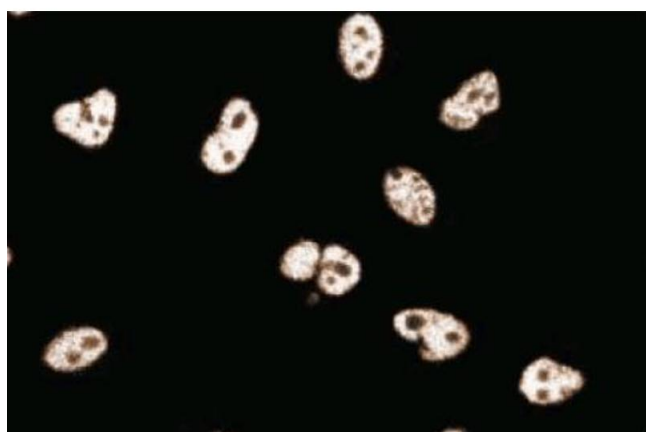
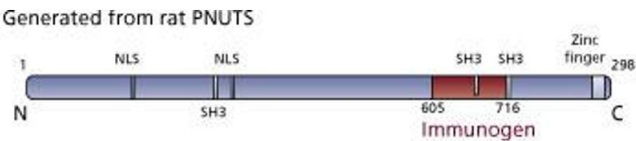


Image 2. Human Endothelial

Image 3.



Please check the [product details page](#) for more images. Overall 4 images are available for ABIN968349.