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Datasheet for ABIN6991134
anti-PPPDE1 antibody (C-Term)

Overview

Quantity:	0.1 mg
Target:	PPPDE1
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PPPDE1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Immunogen:	PNAS4 antibody was raised against a 19 amino acid synthetic peptide near the carboxy terminus of human PNAS4. The immunogen is located within the last 50 amino acids of PNAS4.
Isotype:	IgG
Purification:	PNAS4 Antibody is affinity chromatography purified via peptide column.

Target Details

Target:	PPPDE1
Alternative Name:	PNAS4 (PPPDE1 Products)
Background:	PNAS4 Antibody: PNAS4 is a highly conserved protein that shares high homology from plants to animals. It was initially identified as a putative apoptosis-related protein in the human acute

Target Details

promyelocytic leukemia cell line NB4. PNAS4 is activated during the early response to DNA damage and can inhibit proliferation via apoptosis when overexpressed in some tumor cells such as U2OS, SKOV3, and A549. PNAS4 inhibits tumor cell proliferation through the following mechanisms: (i) overexpression of PNAS4 causes S phase arrest by regulating the expression of cell cycle-related proteins and (ii) PNAS4 induces apoptosis through the mitochondrial apoptosis pathway. Recent evidence has shown that PNAS4 may be involved in the genesis of some cancers and could be a potential candidate for lung cancer therapy alone or in combination with gemcitabine. At least two isoforms of PNAS4 are known to exist.

Gene ID: 51029

NCBI Accession: [NP_057160](#)

UniProt: [Q9BSY9](#)

Application Details

Application Notes: PNAS4 antibody can be used for detection of PNAS4 by Western blot at 1 - 2 µg/mL.

Antibody validated: Western Blot in mouse samples. All other applications and species not yet tested.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 mg/mL

Buffer: PNAS4 Antibody is supplied in PBS containing 0.02 % sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C, 4 °C

Storage Comment: PNAS4 antibody can be stored at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.