antibodies

Datasheet for ABIN2729806 PPM1D Protein (Myc-DYKDDDDK Tag)

Image



Overview

Quantity:	20 µg
Target:	PPM1D
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PPM1D protein is labelled with Myc-DYKDDDDK Tag.
Application:	Antibody Production (AbP), Standard (STD)
Product Details	
Characteristics:	 Recombinant human Protein phosphatase 1D / PPM1D protein expressed in HEK293 cells. Produced with end-sequenced ORF clone
Purity:	> 80 % as determined by SDS-PAGE and Coomassie blue staining
Target Details	
Target:	PPM1D
Alternative Name:	Protein Phosphatase 1d,ppm1d (PPM1D Products)
Background:	The protein encoded by this gene is a member of the PP2C family of Ser/Thr protein
	phosphatases. PP2C family members are known to be negative regulators of cell stress
	response pathways. The expression of this gene is induced in a p53-dependent manner in
	response to various environmental stresses. While being induced by tumor suppressor protein
	TP53/p53, this phosphatase negatively regulates the activity of p38 MAP kinase, MAPK/p38,

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Target Details

	through which it reduces the phosphorylation of p53, and in turn suppresses p53-mediated
	transcription and apoptosis. This phosphatase thus mediates a feedback regulation of p38-p53
	signaling that contributes to growth inhibition and the suppression of stress induced apoptosis.
	This gene is located in a chromosomal region known to be amplified in breast cancer. The
	amplification of this gene has been detected in both breast cancer cell line and primary breast
	tumors, which suggests a role of this gene in cancer development.
Molecular Weight:	66.5 kDa
NCBI Accession:	NP_003611
Pathways:	p53 Signaling, Cell Division Cycle
Application Details	
Application Notes:	Recombinant human proteins can be used for:
	Native antigens for optimized antibody production
	Positive controls in ELISA and other antibody assays
Comment:	The tag is located at the C-terminal.
Restrictions:	For Research Use only
Handling	
Concentration:	50 µg/mL

Buffer:	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10 % glycerol.
Storage:	-80 °C
Storage Comment:	Store at -80°C. Thaw on ice, aliquot to individual single-use tubes, and then re-freeze
	immediately. Only 2-3 freeze thaw cycles are recommended.



Western Blotting

Image 1. Validation with Western Blot

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