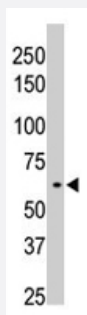


PPM1D polyclonal antibody

Catalog # PAB2151

Size 400 uL

Applications



Western Blot (Cell lysate)

The PPM1D polyclonal antibody (Cat # PAB2151) is used in Western blot to detect PPM1D in 293 cell lysate.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of PPM1D.
Immunogen	A synthetic peptide (conjugated with KLH) corresponding to C-terminus of human PPM1D.
Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	Protein G purification
Recommend Usage	Western Blot (1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

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Gene Info — PPM1D

Entrez GeneID	8493
Protein Accession#	NP_003611;O15297
Gene Name	PPM1D
Gene Alias	PP2C-DELTA, WIP1
Gene Description	protein phosphatase 1D magnesium-dependent, delta isoform
Omim ID	114480 605100
Gene Ontology	Hyperlink
Gene Summary	<p>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, 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. [provided by RefSeq]</p>
Other Designations	p53-induced protein phosphatase 1 protein phosphatase 1D protein phosphatase 2C delta isoform protein phosphatase Wip1

Pathway

- [p53 signaling pathway](#)

Disease

- [Tobacco Use Disorder](#)