

Datasheet for ABIN7506006

anti-PPM1D antibody[Go to Product page](#)**1** Image

Overview

Quantity:	0.1 mg
Target:	PPM1D
Reactivity:	Human, Mouse
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This PPM1D antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunocytochemistry (ICC)

Product Details

Purpose:	Anti-PPM1D Purified
Immunogen:	Purified human PPM1D
Clone:	7E11-C5
Isotype:	IgG1
Specificity:	The mouse monoclonal antibody 7E11/C5 recognizes an epitope within the sequence FTNEDELYNLLTDSP of PPM1D, a protein phosphatase, which contributes to development of some carcinomas.
Purification:	Purified by protein-A affinity chromatography.

Target Details

Target:	PPM1D
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Target Details

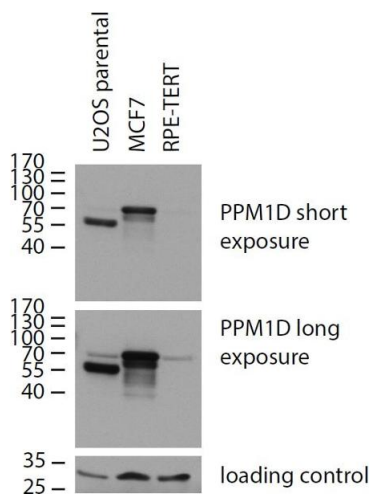
Alternative Name:	PPM1D (PPM1D Products)
Background:	Protein phosphatase, Mg2+/Mn2+ dependent 1D, PPM1D is a Mg2+/Mn2+ dependent protein phosphatase 1D with inducible expression in response to various types of environmental stress. This expression is p53-dependent, and subsequently PPM1D negatively regulates the p53-mediated transcription, thus it suppresses the apoptosis. PPM1D contributes to development of carcinomas, and seems to be a promising therapeutic target. Amplification of PPM1D is associated with breast cancer., WIP1, Protein phosphatase 1D, JDVS, WIP1, IDDGIP
Gene ID:	8493
UniProt:	O15297
Pathways:	p53 Signaling , Cell Division Cycle

Application Details

Application Notes:	Western blotting: Recommended dilution: 1-2 µg/mL.
Restrictions:	For Research Use only

Handling

Concentration:	1 mg/mL
Buffer:	Phosphate buffered saline (PBS), pH 7.4, 15 mM 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:	4 °C
Storage Comment:	Store at 2-8°C. Do not freeze.



Western Blotting

Image 1. Western blotting analysis of human PPM1D using mouse monoclonal antibody 7E11/C5 on lysates of U2OS parental cells, expressing both natural (70 kDa, low expression) and C-terminally truncated version (55 kDa, high expression) of PPM1D, and on lysates of MCF7 cells (high PPM1D expression) and RPE cells (low PPM1D expression), reducing conditions.