

## 30-2720: Anti-PPM1D Purified

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	7E11/C5
<b>Application :</b>	WB
<b>Reactivity :</b>	Mouse
<b>Gene :</b>	PPM1D
<b>Gene ID :</b>	8493
<b>Uniprot ID :</b>	O15297
<b>Format :</b>	Purified
<b>Alternative Name :</b>	protein phosphatase, Mg <sup>2+</sup> /Mn <sup>2+</sup> dependent 1D WIP1, Protein phosphatase 1D, JDVS, WIP1, IDDGP
<b>Immunogen Information :</b>	Purified human PPM1D

## Description

PPM1D is a Mg<sup>2+</sup>/Mn<sup>2+</sup> 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.

**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.

## Product Info

<b>Amount :</b>	0.1 mg
<b>Purification :</b>	Purified by protein-A affinity chromatography.
<b>Content :</b>	Concentration: 1 mg/ml Storage Buffer: Phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
<b>Storage condition :</b>	Store at 2-8°C. Do not freeze.

## Application Note

Western blotting: Recommended dilution: 1-2 µg/ml.

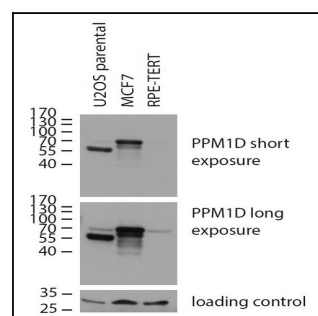


Figure 1: Western blotting analysis of human PPM1D using mouse monoclonal antibody 7E11/C5 on lysates of U2OS parental cells, expressing both natural (70 kDa, low expression) and C-terminally truncated version (55 kDa, high expression) of PPM1D, and on lysates of MCF7 cells (high PPM1D expression) and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