

PPM1H Antibody
PPM1H Antibody, Clone 10D2
Catalog # ASM10705**Specification**

PPM1H Antibody - Product Information

| | |
|---------------------------|-----------------------------|
| Primary Accession | O9ULR3 |
| Other Accession | NP_065751.1 |
| Host | Mouse |
| Clonality | Monoclonal |
| Target/Specificity | |
| PPM1H | |

Other Names

Protein phosphatase Mg²⁺/Mn²⁺ dependent 1H Antibody | NERPP2C | Protein phosphatase 1H Antibody

Immunogen

Recombinant Human PPM1H Protein

Purification

Protein G Purified

Storage **-20°C**

Storage Buffer

PBS pH 7.4, 50% glycerol, 0.09% sodium azide *Storage buffer may change when conjugated

Shipping Temperature

Blue Ice or 4°C

Certificate of Analysis

A 1:1000 dilution of SMC-616 was sufficient for detection of PPM1H in 10 µg of Hu, Ms, Rt Kidney Cells (HEK293), Alveolar Basal Epithelial cells (A549) by ECL immunoblot analysis using Goat Anti-Mouse IgG:HRP as the secondary antibody.

Cellular Localization

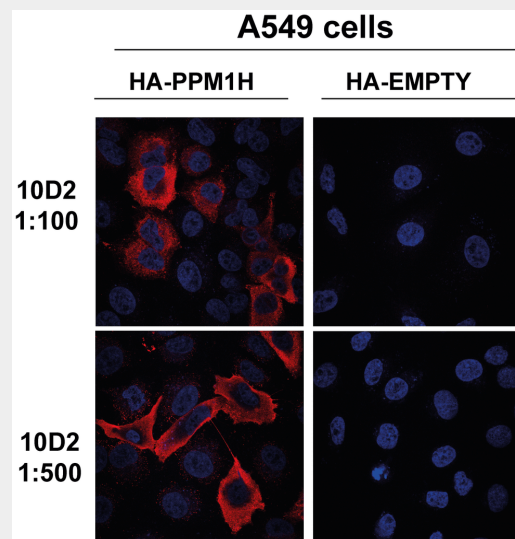
Intracellular

PPM1H Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

PPM1H Antibody - Images



Immunocytochemistry/Immunofluorescence analysis using Mouse Anti-PPM1H Monoclonal Antibody, Clone 10D2 (ASM10705). Tissue: Alveolar Basal Epithelial cells (A549). Species: Hu, Ms, Rt. Primary Antibody: Mouse Anti-PPM1H Monoclonal Antibody (ASM10705) at 1:1000 for 1 hour at RT. Secondary Antibody: Alexa Fluor 594 Donkey anti mouse secondary diluted in 0.2% BSA + 0.02% sodium azide in PBS at 1:1000 for 1 hour at RT. Counterstain: Cells mounted and co-stained with DAPI using ProLong Gold antifade reagent with DAPI (Invitrogen). Localization: Intracellular, Nucleoplasm. Magnification: 63x. Courtesy of: Dario Alessi Lab, University of Dundee.

PPM1H Antibody - Background

PPM1H is an independent prognostic biomarker of non-small cell lung cancer (1). PPM1H acts as a key modulator of LRRK2 signaling by controlling dephosphorylation of Rab proteins (2). PPM1H is also suggested to be a gatekeeper to prevent excessive bone morphogenetic protein (BMP) signalling through dephosphorylation (3).

PPM1H Antibody - References

1. Zhang W.Q., et al. (2021) Neoplasma. 68(5): 917-923.
2. Berndsen K., et al. (2019) 8:e50416.
3. Shen T., et al. (2014) Cell Res. 24(6): 727-741.