10320 Camino Santa Fe, Suite G
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PPM1H Antibody
PPM1H Antibody, Clone 10D2
Catalog # ASM10705

Specification

PPM1H Antibody - Product Information

Primary Accession	Q9ULR3
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	-20ºC

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

Shipping Temperature	Blue Ice or 4ºC

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 Cytomety
- Cell Culture

PPM1H Antibody - Images

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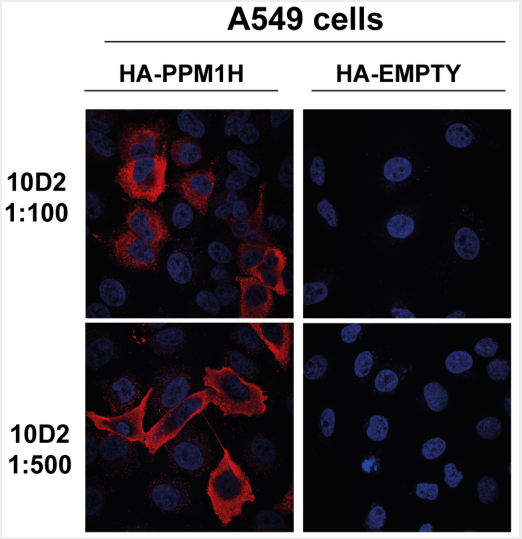

Immunocytochemistry/Immunofluorescence analysis using Mouse Anti-PPM1H Monoclonal Antibody, Clone 10D2 (ASM10705). Tissue: Alveolar Basal Epithelial cells (A549). Species: Hu, Ms, Rt. Primary Antibody: Mouse Anti-PPM1H Monoclonal Antibody (ASM10705) at 1:1000 for 1 hour at RT. Secondary Antibody: Alexa 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.