10320 Camino Santa Fe, Suite G
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PPM1A / PP2CA Antibody (clone 4E11)

Mouse Monoclonal Antibody
Catalog # ALS14354

Specification

PPM1A / PP2CA Antibody (clone 4E11) - Product Information

Application	**IHC**
Primary Accession	P35813
Reactivity	**Human**
Host	**Mouse**
Clonality	**Monoclonal**
Calculated MW	**42kDa KDa**

PPM1A / PP2CA Antibody (clone 4E11) - Additional Information

Gene ID 5494

Other Names
Protein phosphatase 1A, 3.1.3.16, Protein phosphatase 2C isoform alpha, PP2C-alpha, Protein phosphatase IA, PPM1A, PPPM1A

Target/Specificity
Human PPM1A

Reconstitution & Storage
Short term 4°C, long term aliquot and store at -20°C, avoid freeze thaw cycles.

Precautions
PPM1A / PP2CA Antibody (clone 4E11) is for research use only and not for use in diagnostic or therapeutic procedures.

PPM1A / PP2CA Antibody (clone 4E11) - Protein Information

Name PPM1A

Synonyms PPPM1A

Function
Enzyme with a broad specificity. Negatively regulates TGF- beta signaling through dephosphorylating SMAD2 and SMAD3, resulting in their dissociation from SMAD4, nuclear export of the SMADs and termination of the TGF-beta-mediated signaling. Dephosphorylates PRKAA1 and PRKAA2. Plays an important role in the termination of TNF-alpha- mediated NF-kappa-B activation through dephosphorylating and inactivating IKBKB/IKKB.

Cellular Location
Nucleus. Cytoplasm, cytosol. Membrane; Lipid- anchor Note=Weakly associates at the membrane and N-myristoylation mediates the membrane localization. {ECO:0000250|UniProtKB:P49443}

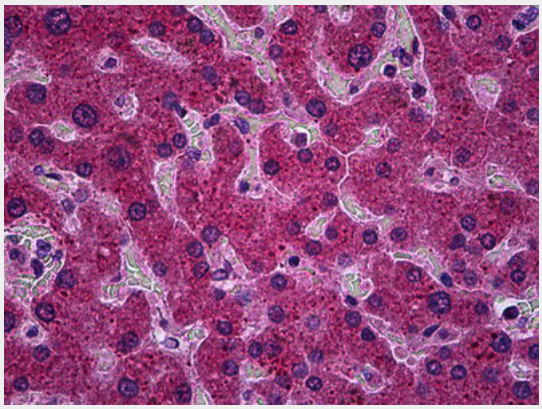
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PPM1A / PP2CA Antibody (clone 4E11) - Protocols

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

PPM1A / PP2CA Antibody (clone 4E11) - Images



Anti-PPM1A antibody IHC of human liver.

PPM1A / PP2CA Antibody (clone 4E11) - Background

Enzyme with a broad specificity. Negatively regulates TGF-beta signaling through dephosphorylating SMAD2 and SMAD3, resulting in their dissociation from SMAD4, nuclear export of the SMADs and termination of the TGF-beta-mediated signaling. Dephosphorylates PRKAA1 and PRKAA2. Plays an important role in the termination of TNF-alpha-mediated NF-kappa-B activation through dephosphorylating and inactivating IKBKB/IKKB.

PPM1A / PP2CA Antibody (clone 4E11) - References

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