

Product Name: PPP2R4 Mouse Monoclonal Antibody
Catalog #: AMM81076



Summary

Production Name	PPP2R4 Mouse Monoclonal Antibody
Description	Mouse Monoclonal Antibody
Host	Mouse
Application	IHC,ICC,FC,ELISA
Reactivity	Human

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG1
Clonality	Monoclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Purified antibody in PBS with 0.05% sodium azide
Purification	Affinity Purification

Immunogen

Gene Name	PPP2R4
Alternative Names	PP2A; PR53; PTPA
Gene ID	5524.0
SwissProt ID	Q15257.Purified recombinant fragment of human PPP2R4 expressed in E. Coli.

Application

Dilution Ratio	IHC:1:200-1:1000,ICC:1:200-1:1000,FC:1:200-1:400,ELISA:1:10000
Molecular Weight	41kDa

Background

Protein phosphatase 2A is one of the four major Ser/Thr phosphatases and is implicated in the negative control of cell

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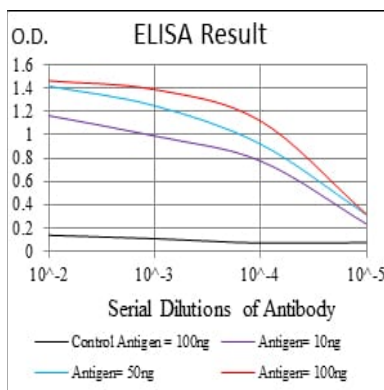


growth and division. Protein phosphatase 2A holoenzymes are heterotrimeric proteins composed of a structural subunit A, a catalytic subunit C, and a regulatory subunit B. The regulatory subunit is encoded by a diverse set of genes that have been grouped into the B/PR55, B'/PR61, and B''/PR72 families. These different regulatory subunits confer distinct enzymatic specificities and intracellular localizations to the holoenzyme. The product of this gene belongs to the B' family. This gene encodes a specific phosphotyrosyl phosphatase activator of the dimeric form of protein phosphatase 2A. Alternative splicing results in multiple transcript variants encoding different isoforms.

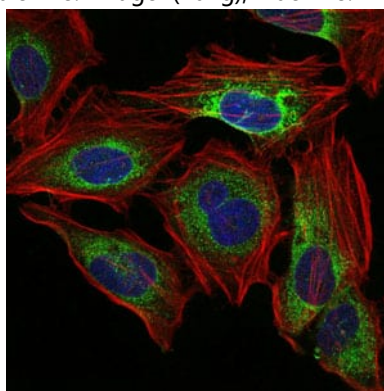
Research Area

TGF-beta signaling pathway

Image Data

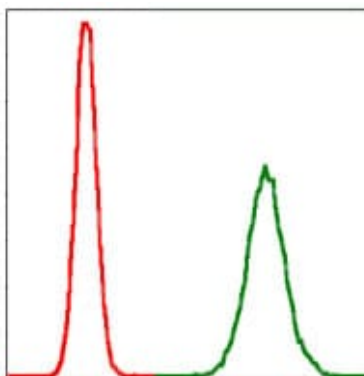


Black line: Control Antigen (100 ng); Purple line: Antigen(10ng); Blue line: Antigen (50 ng); Red line: Antigen (100 ng);

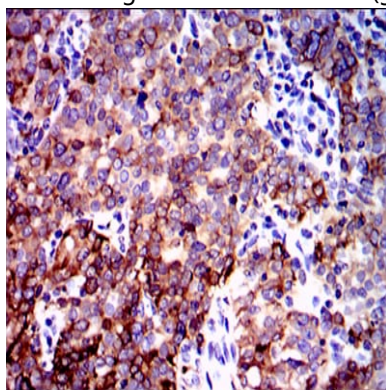


Immunofluorescence analysis of HeLa cells using PPP2R4 mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.

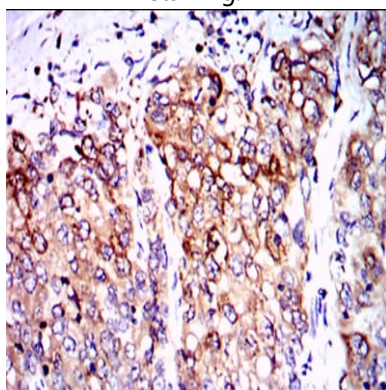
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Flow cytometric analysis of MCF-7 cells using PPP2R4 mouse mAb (green) and negative control (red).



Immunohistochemical analysis of paraffin-embedded human cervical cancer tissues using PPP2R4 mouse mAb with DAB staining.



Immunohistochemical analysis of paraffin-embedded human lung cancer tissues using PPP2R4 mouse mAb with DAB staining.

Note

For research use only.