

PPP4C Antibody

Catalog No: #32602

Package Size: #32602-1 50ul #32602-2 100ul

Orders: order@signalwayantibody.comSupport: tech@signalwayantibody.com

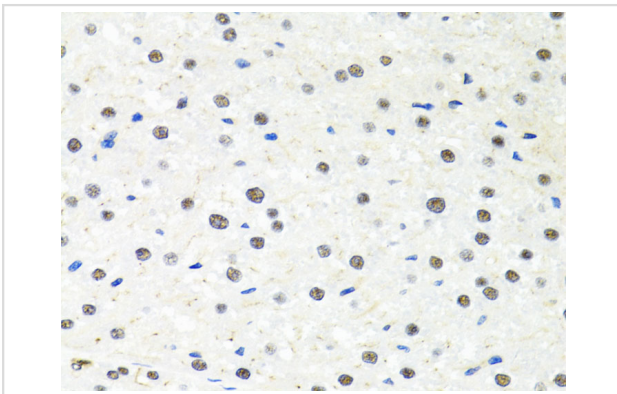
Description

Product Name	PPP4C Antibody
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Affinity purification
Applications	WB,IHC
Species Reactivity	Human,Mouse,Rat
Specificity	The antibody detects endogenous level of total PPP4C protein.
Immunogen Type	Recombinant Protein
Immunogen Description	Recombinant fusion protein of human PPP4C (NP_002711.1).
Target Name	PPP4C
Other Names	PPP4C;PP-X;PP4;PP4C;PPH3;PPP4;PPX
Accession No.	Uniprot:P60510GeneID:5531
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GeneID	5531
SDS-PAGE MW	36kDa
Concentration	1.0mg/ml
Formulation	PBS with 0.02% sodium azide,50% glycerol,pH7.3.
Storage	Store at -20°C. Avoid freeze / thaw cycles.

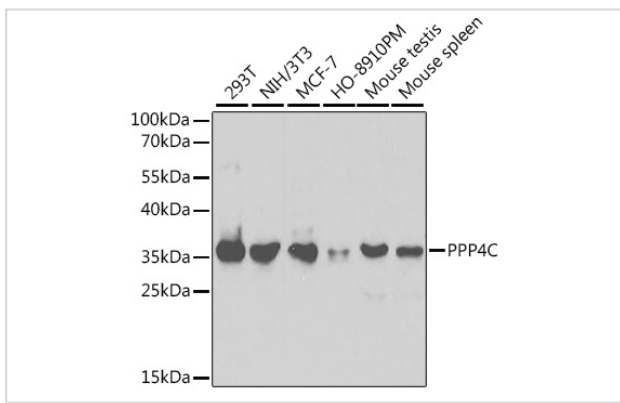
Application Details

WB □ 1:500 - 1:2000 IHC □ 1:50 - 1:200

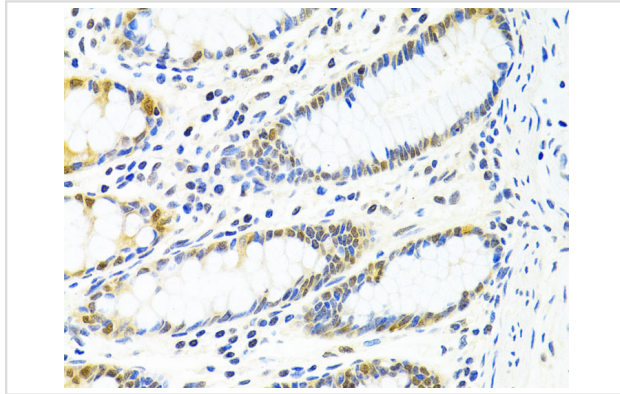
Images



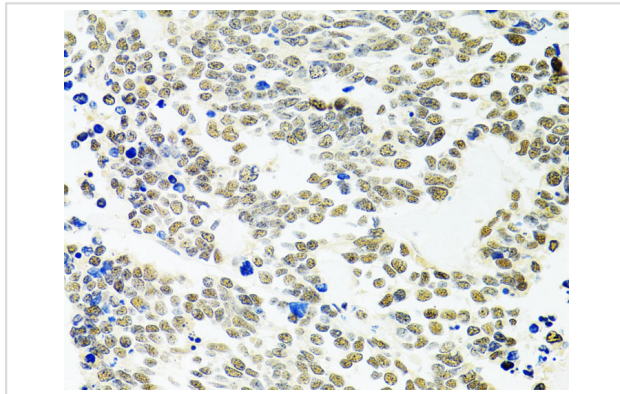
Immunohistochemistry of paraffin-embedded rat liver using PPP4C antibody.



Western blot analysis of extracts of various cell lines, using PPP4C antibody.



Immunohistochemistry of paraffin-embedded human colon using PPP4C antibody.



Immunohistochemistry of paraffin-embedded human lung cancer using PPP4C antibody.

Background

Protein phosphatase that is involved in many processes such as microtubule organization at centrosomes, maturation of spliceosomal snRNPs, apoptosis, DNA repair, tumor necrosis factor (TNF-alpha signaling, activation of c-Jun N-terminal kinase MAPK8, regulation of histone acetylation, DNA damage checkpoint signaling, NF-kappa-B activation and cell migration. The PPP4C-PPP4R1 PP4 complex may play a role in dephosphorylation and regulation of HDAC3. The PPP4C-PPP4R2-PPP4R3A PP4 complex specifically dephosphorylates H2AX phosphorylated on Ser-140 (gamma-H2AX generated during DNA replication and required for DNA double strand break repair. Dephosphorylates NDEL1 at CDK1 phosphorylation sites and negatively regulates CDK1 activity in interphase (By similarity. In response to DNA damage, catalyzes RPA2 dephosphorylation, an essential step for DNA repair since it allows the efficient RPA2-mediated recruitment of RAD51 to chromatin.

Note: This product is for in vitro research use only