

PPM1D Monoclonal antibody

Catalog Number: 67440-1-Ig

Basic Information

Catalog Number: 67440-1-Ig	GenBank Accession Number: BC060877	Purification Method: Protein G purification
Size: 2000 µg/ml	GeneID (NCBI): 8493	CloneNo.: 2D6D5
Source: Mouse	UNIPROT ID: O15297	Recommended Dilutions: WB 1:2000-1:10000 IHC 1:50-1:500 IF/ICC 1:50-1:500
Isotype: IgG1	Full Name: protein phosphatase 1D magnesium-dependent, delta isoform	
Immunogen Catalog Number: AG24761	Observed MW: 67 kDa, 47 kDa	

Applications

Tested Applications: IF/ICC, IHC, WB, ELISA	Positive Controls:
Species Specificity: Human, Mouse, Rat, Pig	WB : MCF-7 cells, HEK-293 cells, U2OS cells, pig brain tissue, rat brain tissue, mouse brain tissue
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	IHC : human colon cancer tissue,
	IF/ICC : HepG2 cells,

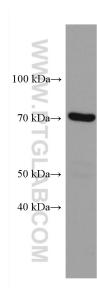
Background Information

PPM1D (also known as PP2Cd and WIP1) is a member of the PPM family, which is characterized by Mg²⁺/Mn²⁺-dependent activity and relative insensitivity to okadaic acid. The PPM1D gene is aberrantly amplified in a range of common cancers and encodes a protein phosphatase that is a potential therapeutic target (PMID: 17700519). This antibody can be detected two bands of 47 and 67 Kda.

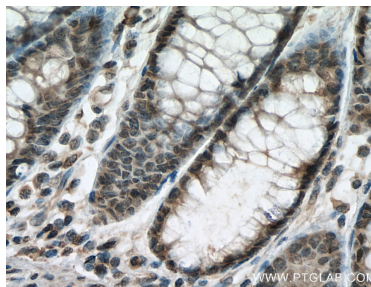
Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

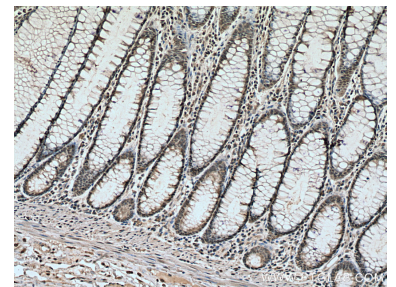
Selected Validation Data



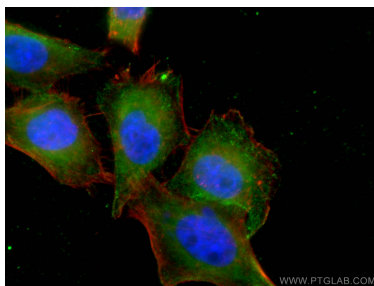
MCF-7 cells were subjected to SDS PAGE followed by western blot with 67440-1-Ig (PPM1D antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 67440-1-Ig (PPM1D antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 67440-1-Ig (PPM1D antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using 67440-1-Ig (PPM1D antibody), at dilution of 1:200 and CoraLite® 488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).