

For Research Use Only

MPP8 Polyclonal antibody

Catalog Number: 16796-1-AP

Featured Product

23 Publications



Basic Information

Catalog Number: 16796-1-AP	GenBank Accession Number: BC003542	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 700 µg/ml by Nanodrop;	GeneID (NCBI): 54737	Recommended Dilutions: WB 1:5000-1:50000 IP 0.5-4.0 ug for IP and 1:500-1:2000 for WB
Source: Rabbit	Full Name: M-phase phosphoprotein 8	Calculated MW: 860 aa, 97 kDa
Isotype: IgG	Observed MW: 97-105 kDa	Immunogen Catalog Number: AG10268

Applications

Tested Applications: IF, IP, WB, ELISA	Positive Controls: WB : HEK-293 cells, PC-3 cells, HeLa cells, HepG2 cells, MCF-7 cells, U-251 cells, NIH/3T3 cells, mouse brain tissue, rat brain tissue
Cited Applications: ChIP, CoIP, IF, IHC, IP, WB	IP: mouse brain tissue,
Species Specificity: human, mouse, rat	IF: U2OS cells,
Cited Species: human, mouse	

Background Information

The M-phase phosphoprotein 8 (MPP8) was firstly identified to coimmunoprecipitate with the RanBPM-comprised large protein complex [PMID:19956676]. It also binds to methylated H3K9 and recruited the H3K9 methyltransferases GLP and ESET, as well as DNA methyltransferase 3A (DNMT3A) to the promoter of the E-cadherin gene, a key regulator of tumor cell growth and epithelial-to-mesenchymal transition (EMT) [PMID:18726070]. This binding event of MPP8-H3K9me modulates the expression of E-cadherin, a key regulator of cell-cell adhesion with implications in embryonic development, tissue morphogenesis and homeostasis, together with H3K9 methyltransferases GLP and ESET and DNA methyltransferase 3a (Dnmt3a) [PMID: 18726070].

Notable Publications

Author	Pubmed ID	Journal	Application
Paola Cruz-Tapias	31557926	Genes (Basel)	WB,IP,ChIP
Leonid Yurkovetskiy	30297740	Nat Microbiol	WB
Takeshi Tsusaka	30286792	Epigenetics Chromatin	WB

Storage

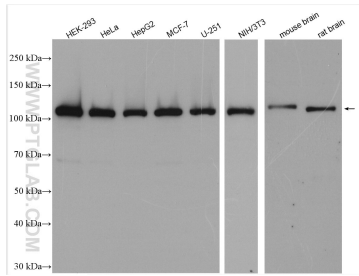
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1%BSA

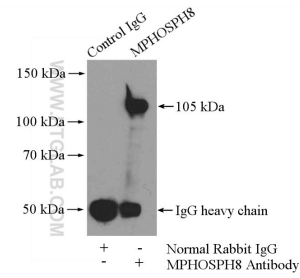
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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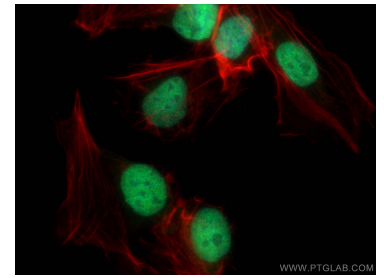
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 16796-1-AP (MPP8 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



IP Result of anti-MPP8 (IP:16796-1-AP, 4 μ g; Detection:16796-1-AP 1:1000) with mouse brain tissue lysate 4000 μ g.



Immunofluorescent analysis of (4% PFA) fixed U2OS cells using MPP8 antibody (16796-1-AP) at dilution of 1:200 and CoraLite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CL594-phalloidin (red).