

MPP8

POLYCLONAL ANTIBODY

Catalog Number: 16796-1-AP

2 Publications

Basic Information

Catalog Number:
16796-1-AP

Size:
46 µg/150 µl

Source:
Rabbit

Isotype:
IgG

Purification Method:
Antigen affinity purification

Immunogen Catalog Number:
AG10268

GenBank Accession Number:
BC003542

GeneID (NCBI):
54737

Full Name:
M-phase phosphoprotein 8

Calculated MW:
860aa, 97 kDa

Observed MW:
97-105 kDa

Recommended Dilutions:

WB 1:500-1:5000

IP 1:500-1:5000

Applications

Tested Applications:

ELISA, WB, IP

Cited Applications:

IF, WB

Species Specificity:

Human, Mouse, Rat

Cited Species:

human

Positive Controls:

WB : mouse brain tissue, HEK-293 cells, HeLa cells, HepG2 cells, MCF7 cells, PC-3 cells

IP : mouse brain tissue;

Background Information

The M-phase phosphoprotein 8 (MPP8) was firstly identified to coimmunoprecipitate with the RanBPM-comprised large protein complex [PMD: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) [PMD: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) [PMD: 18726070].

Notable Publications

Author	Pubmed ID	Journal	Application
Kazuhiro Murata	25660450	Biochem Biophys Res Commun	WB
Nishigaki Makoto M	23416073	Biochem Biophys Res Commun	WB, IF

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

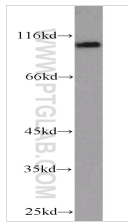
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

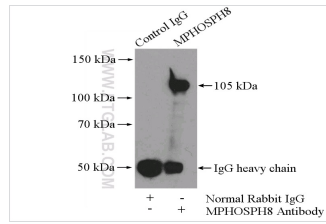
E: proteintech@ptglab.com
W: ptglab.com

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Selected Validation Data



mouse brain tissue were subjected to SDS PAGE followed by western blot with 16796-1-AP(MPHOSPH8 antibody) at dilution of 1:1500



IP Result of anti-MPHOSPH8 (IP: 16796-1-AP, 4 μ g, Detection: 16796-1-AP 1:1000) with mouse brain tissue lysate 4000 μ g.