

Allgemeine Informationen

Katalog-Nr.:

16796-1-AP

Größe:

150ul, Konzentration: 700 µg/ml von Nanodrop;

Wirt:

Kaninchen

Isotyp:

IgG

Immunogen Katalognummer:

AG10268

GenBank-Zugangsnummer:

BC003542

GeneID (NCBI):

54737

Vollständiger Name:

M-phase phosphoprotein 8

Berechnete Masse:

860 aa, 97 kDa

Beobachtete Masse:

97-105 kDa

Reinigungsmethode:

Antigen-Affinitätsreinigung

Empfohlene Verdünnungen:

WB 1:5000-1:50000

IP 0.5-4.0 µg für IP und 1:500-1:2000

für WB

IF 1:200-1:800

Anwendungen

Geprüfte Anwendungen:

IF, IP, WB, ELISA

In Publikationen genannte Anwendungen:

chIP, CoIP, IF, IHC, IP, WB

Getestete Reaktivität:

Human, Maus, Ratte

Zitierte Arten:

Human, Maus

Positivkontrollen:
WB : HEK-293-Zellen, HeLa-Zellen, HepG2-Zellen, Maushirngewebe, MCF-7-Zellen, NIH/3T3-Zellen, PC-3-Zellen, Rattenhirngewebe, U-251-Zellen

IP : Maushirngewebe,

IF : U2OS-Zellen,

Hintergrundinformationen

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].

Bemerkenswerte Veröffentlichungen

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

Lagerung

Lagerungsbedingungen:

Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil

Lagerungspuffer:

PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.

Aliquotieren ist nicht notwendig bei -20°C Lagerung

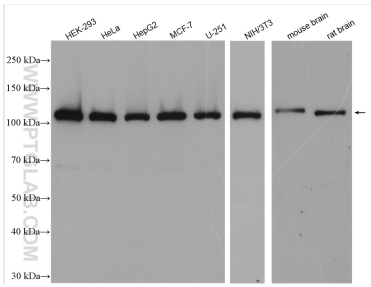
***** 20ul-Größen enthalten 0.1% BSA**

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

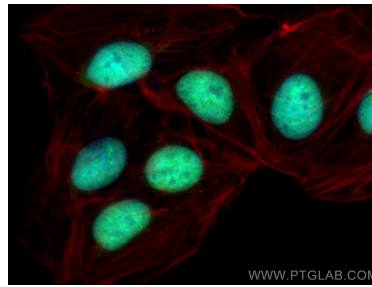
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

 E: proteintech@ptglab.com
 W: ptglab.com
This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Ausgewählte Validierungsdaten



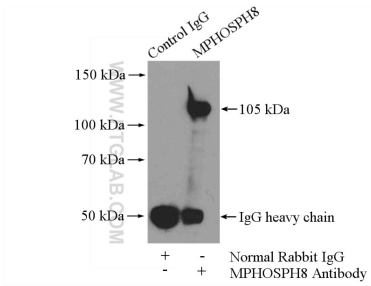
Various lysates were subjected to SDS PAGE followed by western blot with 16796-1-AP (MPP8 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed U2OS cells using MPP8 antibody (16796-1-AP) at dilution of 1:400 and CoraLite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CL594-Phalloidin (red).



mouse brain tissue were subjected to SDS PAGE followed by western blot with 16796-1-AP (MPP8 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



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