

For Research Use Only

MPP8 Recombinant antibody, PBS Only

Catalog Number: 84719-4-PBS



Basic Information

Catalog Number: 84719-4-PBS	GenBank Accession Number: BC003542	Purification Method: Protein A purification
Concentration: 1 mg/ml	GeneID (NCBI): 54737	CloneNo.: 242205B5
Source: Rabbit	UNIPROT ID: Q99549	
Isotype: IgG	Full Name: M-phase phosphoprotein 8	
Immunogen Catalog Number: AG10268	Calculated MW: 860 aa, 97 kDa	
	Observed MW: 97-105 kDa	

Applications

Tested Applications:
WB, Indirect ELISA

Species Specificity:
human

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)

Storage

Storage:
Store at -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:
PBS only, pH7.3

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

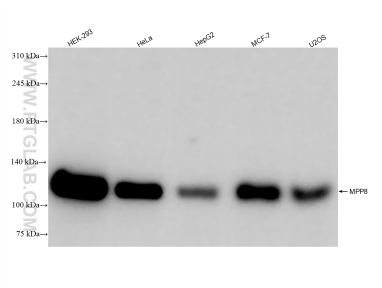
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 84719-4-RR (MPP8 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 84719-4-PBS in a different storage buffer formulation.