

For Research Use Only

# MPP8 Recombinant antibody, PBS Only

Catalog Number: 84719-4-PBS



## Basic Information

<b>Catalog Number:</b> 84719-4-PBS	<b>GenBank Accession Number:</b> BC003542	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ug , Concentration: 1 mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 54737	<b>CloneNo.:</b> 242205B5
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q99549	
<b>Isotype:</b> IgG	<b>Full Name:</b> M-phase phosphoprotein 8	
<b>Immunogen Catalog Number:</b> AG10268	<b>Calculated MW:</b> 860 aa, 97 kDa	
	<b>Observed MW:</b> 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

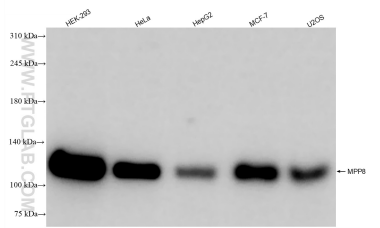
**Storage:**  
Store at -80°C.

**Storage Buffer:**  
PBS Only

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.