

For Research Use Only

MPP8 Recombinant antibody

Catalog Number: 84719-4-RR



Basic Information

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|---|---|---|
| Catalog Number: 84719-4-RR | GenBank Accession Number: BC003542 | Purification Method: Protein A purification |
| Size: 1000 µg/ml | GeneID (NCBI): 54737 | CloneNo.: 242205B5 |
| Source: Rabbit | UNIPROT ID: Q99549 | Recommended Dilutions: WB 1:2000-1:10000 |
| Isotype: IgG | Full Name: M-phase phosphoprotein 8 | |
| Immunogen Catalog Number: AG10268 | Calculated MW: 860 aa, 97 kDa | |
| | Observed MW: 97-105 kDa | |

Applications

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|--|---|
| Tested Applications: WB, ELISA | Positive Controls: WB : HEK-293 cells, HeLa cells, HepG2 cells, MCF-7 cells, U2OS cells |
| 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 -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:

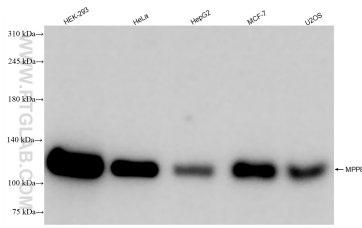
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Selected Validation Data



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.