# MEP1A Antibody – Rabbit Polyclonal

## PRODUCT OVERVIEW

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| **Product Name** | MEP1A, Polyclonal Antibody |
| **Full Product Name** | MEP1A, NT (MEP1A, Meprin A subunit alpha, Endopeptidase-2, N-benzoyl-L-tyrosyl-P-amino-benzoic acid hydrolase subunit alpha, PABA peptide hydrolase, PPH alpha) (MaxLight 490) |
| **Product Gene Name** | anti-MEP1A antibody |
| **Product Synonym Names** | MEP1A; Meprin A subunit alpha; Endopeptidase-2; N-benzoyl-L-tyrosyl-P-amino-benzoic acid hydrolase subunit alpha; PABA peptide hydrolase; PPH alpha |
| **Clonality** | Polyclonal |
| **Isotype** | IgG |
| **Host** | Rabbit |
| **Species Reactivity** | Human, Mouse |
| **Form/Format** | Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight490. |
| **Purity/Purification** | Purified by Protein A and Peptide Affinity Chromatography. |
| **Specificity** | Recognizes human MEP1A. Species Crossreactivity: mouse |
| **Preparation and Storage** | Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: MaxLight490 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap. |
| **Molecular Weight** | 84,419 Da |
| **OMIM** | M82962 mRNA |
| **3D Structure** | ModBase 3D Structure for Q16819 |
| **Immunogen** | KLH-conjugated synthetic peptide mapping to a fragment of residues within amino acids 149-175 in the N-terminal region of human MEP1A, UniProt Accession #Q16819. |
| **Conjugate** | MaxLight490 |
| **Note** | Preservative Free |
| **Product Categories/Family for anti-MEP1A antibody** | Antibodies; Enzymes |
| **Applications Tested/Suitable for anti-MEP1A antibody** | Western Blot (WB), Immunohistochemistry (IHC), FLISA |
| **Application Notes for anti-MEP1A antibody** | Applications are based on unconjugated antibody. |
| **Related Product Information for anti-MEP1A antibody** | MaxLight490 is a new Blue-Green photostable dye conjugate comparable to DyLight488, Alexa Fluor488 and offers better labeling efficiency, brighter imaging and increased immunodetection. Absorbance (491nm); Emission (515nm); Extinction Coefficient 73,000. |
| **Other Notes** | Small volumes of anti-MEP1A antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply. |

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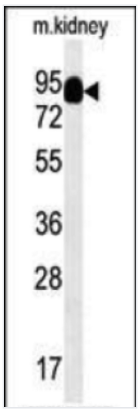
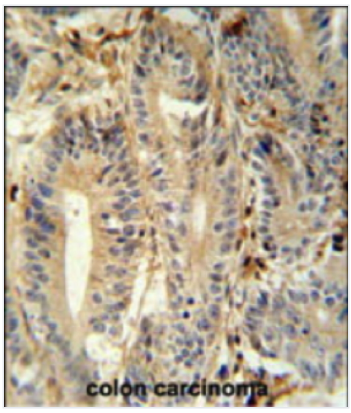
| **Searchable Terms for MEP1A purchase** | MBS6320249 is an antibody targeting MEP1A. Also known as MEP1A, NT (MEP1A, Meprin A subunit alpha, Endopeptidase-2, N-benzoyl-L-tyrosyl-P-amino-benzoic acid hydrolase subunit alpha, PABA peptide hydrolase, PPH alpha) (MaxLight 490). Reactive in Human, Mouse. Host: Rabbit. |




**Western Blot (WB) of anti-MEP1A antibody**
Western Blot analysis in mouse kidney tissue lysates (15ug/lane) usingMBS6003158. This demonstrates that MBS6003158 detected MEP1A protein (arrow).




**Immunohistochemistry (IHC) of anti-MEP1A antibody**
Immunohistochemistry analysis in formalin fixed and paraffin embedded human colon carcinoma using MBS6003158 followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of MBS6003158 for immunohistochemistry.

## ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for MEP1A. It may not necessarily be applicable to this product.

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| **NCBI GI #** | 153070262 |
| **NCBI GeneID** | 4224 |
| **NCBI Accession #** | NP_005579.2 |
| **UniProt Primary Accession #** | Q16819 |
| **UniProt Secondary Accession #** | Q8TDC9; Q9H1R1; A2RRM4; B0AZP9; B2RCS2 |
| **UniProt Related Accession #** | Q16819 |
| **GenBank Nucleotide #** | NM_005588.2 |
| **NCBI Official Full Name** | meprin A subunit alpha |
| **NCBI Official Synonym Full Names** | meprin A subunit alpha |
| **NCBI Official Symbol** | MEP1A |
| **NCBI Official Synonym Symbols** | PPHA |
| **UniProt Protein Name** | Meprin A subunit alpha |
| **UniProt Synonym Protein Names** | Endopeptidase-2; N-benzoyl-L-tyrosyl-P-amino-benzoic acid hydrolase subunit alpha; PABA peptide hydrolase; PPH alpha |
| **Protein Family** | Meprin |
| **UniProt Gene Name** | MEP1A |
| **NCBI Protein Information** | meprin A subunit alpha |

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| **UniProt Comments for MEP1A** | MEP1A: Belongs to the peptidase M12A family.<br><br>Protein type: EC 3.4.24.18; Membrane protein, integral; Protease<br><br>Chromosomal Location of Human Ortholog: 6p12.3<br><br>Cellular Component: extracellular space; integral to plasma membrane<br><br>Molecular Function: protein binding<br><br>Biological Process: digestion |
| **Research Articles on MEP1A** | **1.** Variants rs17468190 (G/T) in the MEP1A gene are associated with glucose and insulin metabolism in overweight/obese central European women with polycystic ovary syndrome. |
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