

Rabbit anti-Human MPZ Polyclonal Antibody | anti-MPZ antibody

MPZ Antibody (C-term)

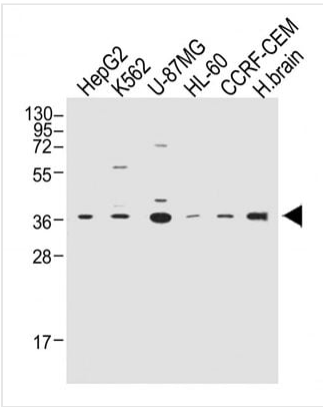
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA286687	Rabbit	Human	Flow Cytometry, Functional Assay, Western Blot, Immunohistochemistry, ELISA

PRODUCT SYNONYMS

MPZ; Polyclonal Antibody; MPZ Antibody (C-term); Myelin protein P0; Myelin peripheral protein; MPP; Myelin protein zero; anti-MPZ antibody

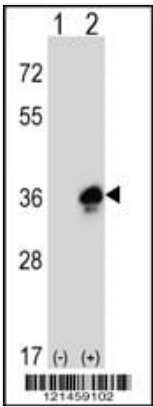
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This MPZ antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 186-215 amino acids from the C-terminal region of human MPZ.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Sequence Positions	186-215
Sequence Length	311
Applicable Applications for anti-MPZ antibody	FCM/FACS (Flow Cytometry), WB (Western Blot), IHC (Immunohistochemistry), ELISA
Antigen Type	Synthetic Peptide
Antigen Source	Human
Function	Is an adhesion molecule necessary for normal myelination in the peripheral nervous system. It mediates adhesion between adjacent myelin wraps and ultimately drives myelin compaction.
Cellular Location	Cell membrane; Single-pass type I membrane protein
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 2 weeks. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



WB (Western Blot)

All lanes : Anti-MPZ Antibody (C-term) at 1:2000 dilution Lane 1: HepG2 whole cell lysate
Lane 2: K562 whole cell lysate Lane 3: U-87MG whole cell lysate Lane 4: HL-60 whole cell
lysate Lane 5: CCRF-CEM whole cell lysate Lane 6: Human brain whole tissue lysate
Lysates/proteins at 20 ug per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase
conjugated at 1/2000 dilution. Predicted band size : 28 kDa Blocking/Dilution buffer: 5%
NFDM/TBST.



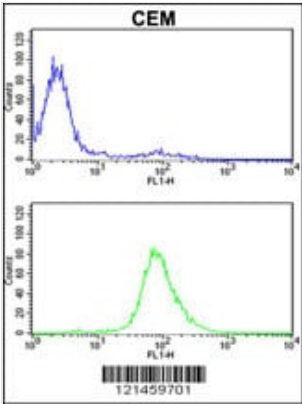
WB (Western Blot)

Western blot analysis of MPZ (arrow) using rabbit polyclonal MPZ Antibody (C-term). 293 cell
lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the
MPZ gene.



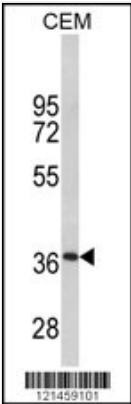
IHC (Immunohistochemisry)

MPZ Antibody (C-term) (Cat. #AAA286687) immunohistochemistry analysis in formalin fixed
and paraffin embedded human brain tissue followed by peroxidase conjugation of the
secondary antibody and DAB staining. This data demonstrates the use of the MPZ Antibody
(C-term) for immunohistochemistry. Clinical relevance has not been evaluated.



FCM/FACS (Flow Cytometry)

MPZ Antibody (C-term) (Cat. #AAA286687) flow cytometric analysis of CEM cells (bottom
histogram) compared to a negative control cell (top histogram).FITC-conjugated goat-anti-
rabbit secondary antibodies were used for the analysis.



WB (Western Blot)

Western blot analysis of MPZ Antibody (C-term) in CEM cell line lysates (35ug/lane). MPZ
(arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-MPZ antibody	MPZ is a major structural protein of peripheral myelin. Creation of an extracellular membrane face which guides the wrapping process and ultimately compacts adjacent lamellae.
Product Categories/Family for anti-MPZ antibody	Neuroscience
References	Tachi,N., et.al., Brain Dev. 6 (6), 560-565 (1984) Hayasaka,K.,et.al., Biochem. Biophys. Res. Commun. 180 (2), 515-518 (1991) Hayasaka,K., et.al., Genomics 17 (3), 755-758 (1993)

NCBI AND UNIPROT INFORMATION

NCBI GI #	295391071
NCBI GeneID	4359
NCBI Accession #	NP_000521.2
NCBI GenBank Nucleotide #	NM_000530.6
UniProt Accession #	P25189; Q16072; Q5VTH4; Q92677; Q9BR67
NCBI Official Full Name	myelin protein P0
NCBI Official Synonym Full Names	myelin protein zero
NCBI Official Symbol	MPZ
NCBI Official Synonym Symbols	P0; CHM; DSS; MPP; CMT1; CMT1B; CMT2I; CMT2J; CMT4E; CMTDI3; CMTDID; HMSNIB
NCBI Protein Information	myelin protein P0
UniProt Protein Name	Myelin protein P0
UniProt Gene Name	MPZ
UniProt Synonym Gene Names	MPP
UniProt Entry Name	MYP0_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.