

Product datasheet for **AP31809PU-N**

Myelin Basic Protein (MBP) Chicken Polyclonal Antibody

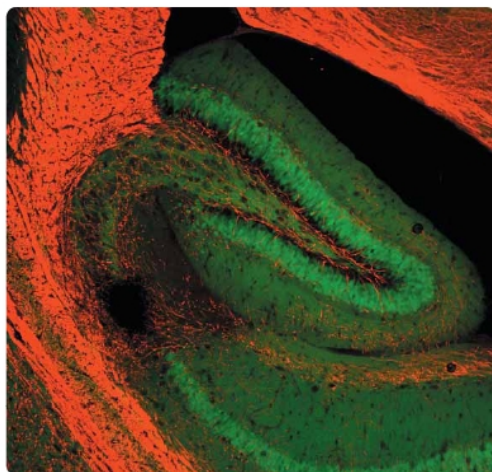
Product data:

Product Type:	Primary Antibodies
Applications:	IF, IHC, WB
Recommended Dilution:	Western Blot. Immunocytochemistry. Immunohistochemistry. <i>Recommended Dilutions:</i> 1/2000-1/5000 for Western Blots. 1/1000-1/2000 for Immunohistochemistry and Immunocytochemistry using 2% paraformaldehyde-fixed tissues or cells. Quality Control: This antibody was analyzed by Immunohistochemistry (at a 1/2000 dilution) using Fluorescein-labeled Goat anti-Chicken IgY (1/500 dilution, <i>Cat.-No</i> AP31795FC-N) as the secondary reagent.
Reactivity:	Human, Mouse
Host:	Chicken
Isotype:	IgY
Clonality:	Polyclonal
Immunogen:	Synthetic peptide KLH conjugated corresponding to a region of the MBP gene product shared between the Human (NP_002376) and Mouse (NP_034907) sequences. After repeated injections, immune eggs were collected, the IgY fractions were purified from the yolks, and then affinity-purified using a peptide column.
Specificity:	Recognizes Myelin Basic Protein (MBP).
Formulation:	10mM PBS, pH 7.2 State: Aff - Purified State: Liquid purified (filter sterilized) IgY fraction Preservative: 0.02% (w/v) Sodium Azide
Concentration:	lot specific
Purification:	Affinity Chromatography using a peptide column
Conjugation:	Unconjugated



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Storage:	Store undiluted in the dark at 2-8°C. DO NOT FREEZE!
Stability:	Shelf life: one year from despatch.
Gene Name:	myelin basic protein
Database Link:	Entrez Gene 17196 Mouse Entrez Gene 4155 Human P02686
Background:	<p>The classic group of Myelin basic protein (MBP) isoforms (isoforms 4 to 14) are with PLP the most abundant protein components of the myelin membrane in the CNS. They have a role in both its formation and stabilization. The smaller isoforms might have an important role in remyelination of denuded axons in multiple sclerosis. The non classic group of MBP isoforms (isoforms 1 to 3/Golli MBPs) may preferentially have a role in the early developing brain long before myelination, maybe as components of transcriptional complexes, and may also be involved in signaling pathways in T cells and neural cells. Differential splicing events combined to optional posttranslational modifications give a wide spectrum of isomers, each of them having maybe a specialized function.</p> <p>Human Myelin Basic Protein (MBP) is a 20,115 dalton protein (186 amino acids) found in myelin of the CNS and PNS. Expressed as an intracellular protein by oligodendrocytes and Schwann cells, MBP aids in the compaction and stability of myelin.</p>
Synonyms:	MBP

Product images:

A tissue section through an adult Mouse brain showing MBP (red staining) of white matter tracts adjacent to the hippocampal formation. Green staining is autofluorescence from Green Fluorescent Protein (GFP) expressed in this transgenic Mouse.