Recombinant Myelin Basic Protein Antibody

Rabbit Monoclonal Antibody [Clone MBP/4277R]

Catalog No	Format	Size
4155-RBM7-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
4155-RBM7-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
4155-RBM7-P1ABX	Purified Ab WITHOUT BSA or Azide at 1.0mg/ml	100 ug

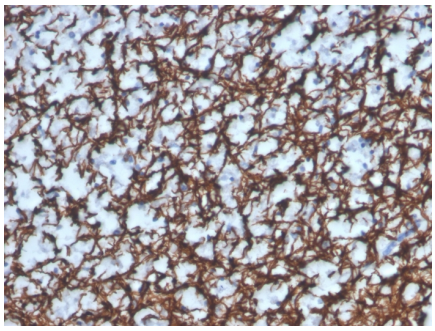
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes
Western Blot (WB)	2-4ug/ml	

Product Details

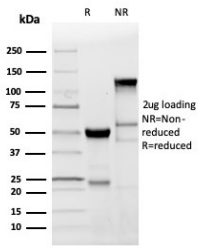
Clone	MBP/4277R
Immunogen	Recombinant fragment (around aa72-87) of the human Myelin Basic protein (exact sequence is proprietary)
Host	Rabbit
Clonality	Monoclonal
Isotype / Light Chain	IgG / Kappa
Mol. Weight of Antigen	33.12kDa
Cellular Localization	Myelin membrane, Nucleus
Species Reactivity	Human
Positive Control	Human brain or astrocytoma.

**Optimal dilution for a specific application should be determined.*

Product Images for Recombinant Myelin Basic Protein Antibody



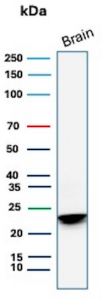
Formalin-fixed, paraffin-embedded human brain stained with MBP Recombinant Rabbit Monoclonal Antibody (MBP/4277R).



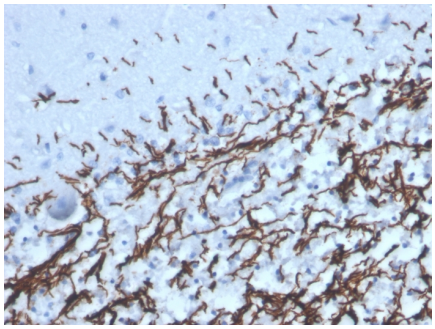
SDS-PAGE Analysis of Purified MBP Recombinant Rabbit Monoclonal Antibody (MBP/4277R). Confirmation of Purity and Integrity of Antibody.



Analysis of Protein Array containing more than 19,000 full-length human proteinsusing Myelin Basic Protein Recombinant Rabbit Monoclonal Antibody (MBP/4277R). Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProtTM array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If targets on HuProtTM are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-score. S-score therefore represents the relative target specificity of a MAb to its intended target. A MAb is considered to specific to its intended target, if the MAb has an S-score of at least 2.5. For example, if a MAb binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that MAb to protein X is equal to 29.



Western Blot Analysis of human brain tissue lysate using Myelin Basic Protein Recombinant Rabbit Monoclonal Antibody (MBP/4277R).



Formalin-fixed, paraffin-embedded human brain stained with MBP RecombinantRabbit Monoclonal Antibody (MBP/4277R).

Specificity & Comments

Myelin basic protein (MBP) is the second most abundant protein in central nervous system (CNS) myelin: it comprises 30% of the total protein and about 10% of the dry weight of myelin. It is the only structural protein found so far to be essential for formation of CNS myelin, and has been called the executive molecule of myelin . MBP can interact with a number of polyanionic proteins including actin, tubulin, calmodulin, and clathrin, and negatively charged lipids, and acquires structure on binding to them. It may act as a membrane actin-binding protein, which might allow it to participate in transmission of extracellular signals to the cytoskeleton in oligodendrocytes and tight junctions in myelin. MBP may be applicable as a marker for oligodendrogliomas.

Supplied As

200ug/ml of Ab produced in a mammalian-based expression system. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8 °C. Antibody without azide - store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis.There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.