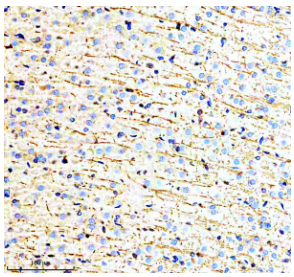
Myelin Basic Protein Antibody / MBP [clone IIE-13] (RQ5003)

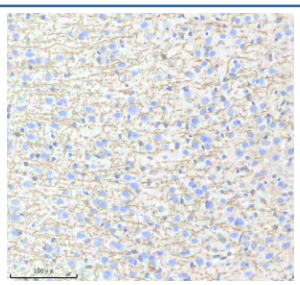
Catalog No.	Formulation	Size
RQ5003	Antibody in PBS with 0.02% sodium azide, 50% glycerol and 0.4-0.5mg/ml BSA	100 ul

Bulk quote request

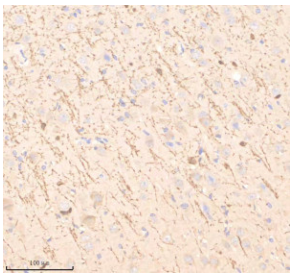
Species Reactivity	Human, Mouse, Rat, Pig
Format	Purified
Host	Rabbit
Clonality	Rabbit Monoclonal
Isotype	Rabbit IgG
Clone Name	IIE-13
Purity	Affinity purified
UniProt	P02686
Applications	Western blot: 1:500-1:2000 Immunohistochemistry (FFPE): 1:50-1:200
Limitations	This Myelin Basic Protein antibody is available for research use only.



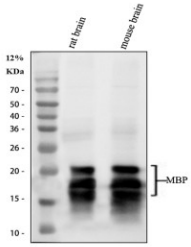
Myelin Basic Protein Antibody in Rat Brain IHC. Immunohistochemistry staining of FFPE rat brain tissue with Myelin Basic Protein Antibody / MBP [clone IIE-13]. HIER was performed in EDTA buffer, pH 8.0, followed by blocking with 10% goat serum. The antibody was used at 1:50 overnight at 4oC, followed by a peroxidase-conjugated goat anti-rabbit IgG secondary antibody and DAB detection. This Myelin Basic Protein Antibody demonstrates MBP localization in rat brain tissue.



Myelin Basic Protein Antibody in Mouse Brain IHC. Immunohistochemistry staining of FFPE mouse brain tissue with Myelin Basic Protein Antibody / MBP [clone IIE-13]. HIER was performed in EDTA buffer, pH 8.0, followed by blocking with 10% goat serum. The antibody was used at 1:50 overnight at 4oC, followed by a peroxidase-conjugated goat anti-rabbit IgG secondary antibody and DAB detection. This Myelin Basic Protein Antibody demonstrates MBP localization in mouse brain tissue.



Myelin Basic Protein Antibody in Pig Brain IHC. Immunohistochemistry staining of FFPE pig brain tissue with Myelin Basic Protein Antibody / MBP [clone IIE-13]. HIER was performed in EDTA buffer, pH 8.0, followed by blocking with 10% goat serum. The antibody was used at 1:50 overnight at 4oC, followed by a peroxidase-conjugated goat anti-rabbit IgG secondary antibody and DAB detection. This Myelin Basic Protein Antibody demonstrates MBP localization in pig brain tissue.



Myelin Basic Protein Antibody in Rat and Mouse Brain WB. Western blot testing of rat and mouse brain tissue lysates with Myelin Basic Protein Antibody / MBP [clone IIE-13]. Lane 1: rat brain; Lane 2: mouse brain. Samples were separated by 12% SDS-PAGE under reducing conditions and the antibody was used at 1:500 overnight at 4oC. A goat anti-rabbit IgG-HRP secondary antibody was used at 1:5000. Specific bands corresponding to MBP isoforms were detected at approximately 16-22 kDa in both samples. This Myelin Basic Protein Antibody demonstrates detection of MBP in rat and mouse brain tissue.

Description

The classic group of MBP isoforms (isoform 4-isoform 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. [UniProt]

For broader research on myelin structure and MBP expression, see our Myelin Basic Protein Antibody / CNS Myelin Marker page.

Application Notes

Optimal dilution of the Myelin Basic Protein antibody should be determined by the researcher.

Immunogen

A synthetic peptide specific to human Myelin Basic Protein / MBP was used as the immunogen for the Myelin Basic Protein antibody.

Storage

Store the Myelin Basic Protein antibody at -20oC.

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