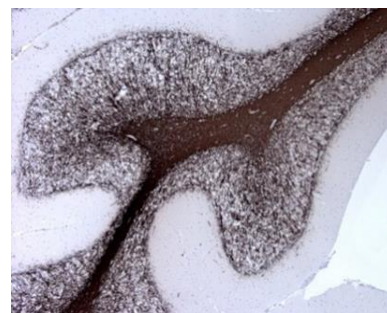


Anti-MBP, mouse monoclonal (BS188)

BSH-7697-100 (0.1 ml), BSH-7697-1 (1 ml)



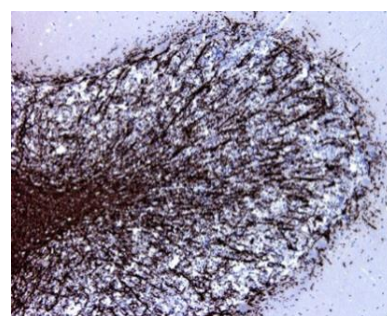
Clonality:	Mouse monoclonal antibody
Clone:	BS188
Application:	IHC-P (1:100 – 1:400)
Species Reactivity:	Human
Control tissues:	Brain, spine cord
Buffer:	TRIS with 0.03% sodium azide, pH 7.2
Storage:	Store at 4°C



Brain section has been stained using MBP optibody (Clone: BS188) with 1:200 dilution. Myelin in granular cell layer has strong label.

Description

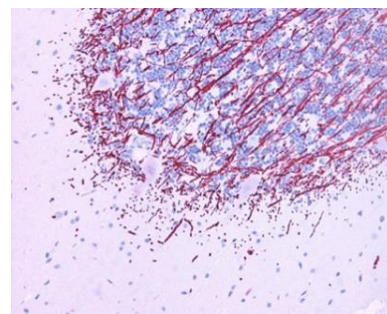
The protein encoded by the classic MBP gene is a major constituent of the myelin sheath of oligodendrocytes and Schwann cells in the nervous system. However, MBP-related transcripts are also present in the bone marrow and the immune system. MBP gene encode hybrid proteins that have N-terminal Golli amino acid sequence linked to MBP's sequence. The second family of transcripts contain only MBP exons and produce the well characterized myelin basic proteins. This complex gene structure is conserved among species suggesting that the MBP transcription unit is an integral part of the Golli transcription unit and that this arrangement is important for the function and/or regulation of these genes.



Brain section has been stained using MBP optibody (Clone: BS188) with 1:200 dilution. Myelin in granular cell layer has strong label.

Protocol

1. Deparaffinize and rehydrate tissue section
2. Wash: aqua dest, 2×5 min
3. Pre-treatment: PT-module HIER pH 9.0 (20min at 98°C)
4. H₂O₂ (concentration 3%), 10 min
5. Wash: PBS or TBS buffer, 2×5 min
6. Primary antibody diluted as recommended, 30 min
7. Wash: PBS or TBS buffer, 2×5 min
8. One step HRP-polymer detection, 30 min
9. Wash: PBS or TBS buffer, 2×5 min
10. DAB Substrate, 8 min
11. Wash: aqua dest, 2×2 min
12. Counterstain, dehydrate and coverslip



Brain section has been stained using MBP optibody (Clone: BS188) with 1:200 dilution. Myelin in granular cell layer has strong label. AP-polymer with Permanent red has been used as visualization.

Dilution of concentrated antibody depends on the pre-treatment method and detection system used. Above protocol used in Optibodies evaluation and is meant as a reference. Final working dilution and protocol applied needs to be determined by the user always.

