

PMP22 Recombinant Rabbit mAb

Catalog Number: bsm-54072R

Target Protein: PMP22

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Recombinant

Clone No.: 1A11

Isotype: IgG

Applications: WB (1:500-2000)

Reactivity: Human, Rat

Predicted MW: 22 kDa

Entrez Gene: 5376

Swiss Prot: Q01453

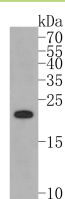
Purification: affinity purified by Protein A

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

Store at -20°C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4°C.

Background: PMP22 is a 22 kDa glycoprotein expressed in the compact myelin of the peripheral nervous system. In the peripheral nervous system, PMP 22 is produced by myelinating Schwann cells and is coexpressed with the genes for myelin basic protein (MBP) during nerve development and regeneration. Alterations in the level of this protein cause several genetic human diseases. If the protein is duplicated, patients develop Charcot Marie Tooth disease. If one copy of the gene is deleted, they suffer from the inherited tendency to pressure palsies.

VALIDATION IMAGES



Western blot analysis of PMP22 on PC-12 cell lysates. Proteins were transferred to a PVDF membrane and blocked with 5% BSA in PBS for 1 hour at room temperature. The primary antibody (bsm-54072R, 1/500) was used in 5% BSA at room temperature for 2 hours. Goat Anti-Rabbit IgG - HRP Secondary Antibody (HA1001) at 1:5,000 dilution was used for 1 hour at room temperature.