Proteasome 19S Rpn10/S5a subunit monoclonal antibody (S5a-18)

This antibody is covered by our Worry-Free Guarantee.

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BML-PW9250-0025	25µl
BML-PW9250-0100	100µl

Manuals, SDS & CofA View Online »

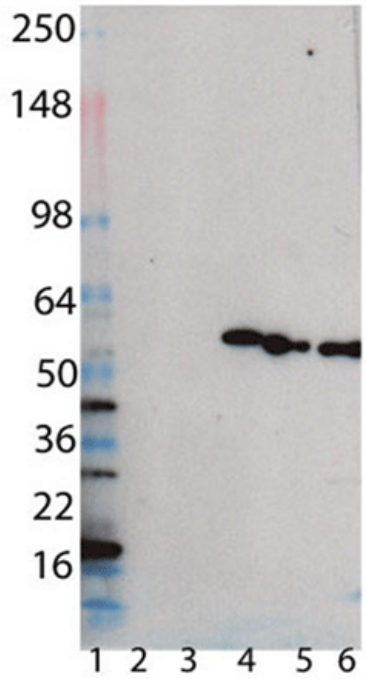
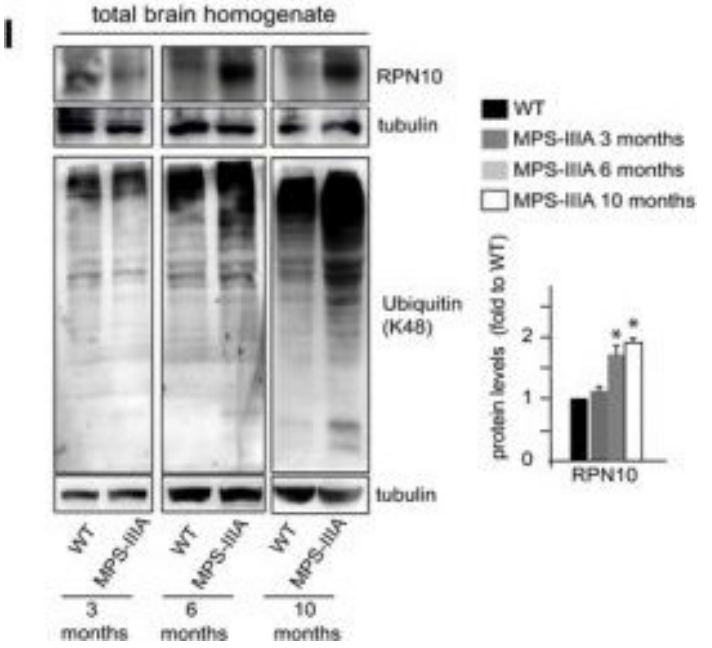


Figure 1. Western blot analysis of Proteasome 19S Rpn10/S5a subunit, mAb (S5a-18) (Prod. No. BML-PW9250): Lane 1: MW marker, Lane 2: 3T3 (Prod. No. ADI-LYC-3T100), Lane 3: L929, Lane 4: PC-12 (Prod. No. ADI-LYC-PC100), Lane 5: MDBK, Lane 6: HeLa S100 fraction (Prod. No. BML-SW8750).



Lysosomal- driven deregulation of α- synuclein and CSPα degradationWB analysis of LC3 and p62 (an autophagy substrate) was performed on WT and MPS- IIIA brain samples at the indicated ages. WB quantitation is shown.α- Synuclein was immunoblotted in WT and MPS- IIIA in both total and synaptosomal brain fractions at the indicated ages after sequential extraction with detergents with increased strength. Soluble (Sol.), lowly insoluble (L. Insol.), and highly insoluble (H. Insol.) forms correspond to the protein solubilized in Triton X- 100, 10% SDS and 8 M urea, respectively.Co- immunofluorescence analysis of α- synuclein with SMI- 32 in WT and MPS- IIIA hippocampal neurons (DIV14). α- Synuclein synaptic puncta present in a neurite tract of 10 μm is shown in a representative enlarged image. Quantification of α- synuclein synaptic puncta was calculated from 30 different enlarged images.Confocal analysis of α- synuclein (green) and LAMP1 (red) in WT and MPS- IIIA hippocampal neurons (DIV14). Enlarged merge images are also shown. Co- localization was quantified using the MCC (ImageJ) and displayed as percentage (MCC × 100) of α- synuclein co- localizing with LAMP1 (15 different images taken from 4 to 5 coverslips for each group).CSPα was immunoblotted in WT and MPS- IIIA total brain lysates at the indicated ages after sequential extraction with detergents with increased strength as in (B).Co- immunofluorescence analysis of CSPα and SMI- 32 in DIV14 hippocampal neurons. CSPα synaptic puncta was quantified as in (C).CSPα protein levels were evaluated by immunoblot analysis in WT and MPS- IIIA hippocampal neurons (DIV14) at different times after cycloheximide treatment and expressed as percentage of remaining protein at T0 (100%). The proteasome was inhibited as indicated. WB quantification is shown.Palmitoylation- dependent shift in

Handling & Storage

Handling	Avoid freeze/thaw cycles. After opening, prepare aliquots and store at -20°C.
Long Term Storage	-20°C
Shipping	Blue Ice

Regulatory Status

RUO - Research Use Only

Product Details

Alternative Name	26S proteasome non-ATPase regulatory subunit 4, Antisecretory factor 1, Multiubiquitin chain-binding protein
Application	IP, WB
Clone	S5a-18
Formulation	Liquid. In PBS containing 10mM sodium azide.
Gene/Protein Identifier	PSMD4 (gene name)
Host	Mouse
Immunogen	Recombinant full-length human Rpn10 protein.
Isotype	IgG1
Recommendation Dilutions/Conditions	Western Blot (1:1,000, ECL)Suggested dilutions/conditions may not be available for all applications.Optimal conditions must be determined individually for each application.
Source	Purified from hybridoma tissue culture supernatant.
Species Reactivity	Bovine, Human, Rat
Specificity	Recognizes the Rpn10/S5a subunit of the 19S regulator complex.
UniProt ID	P55036

Worry-free Guarantee

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