


Product datasheet

Anti-PMP70 antibody (Biotin) ab28499

1 References 7 Images

Overview

Product name	Anti-PMP70 antibody (Biotin)
Description	Rabbit polyclonal to PMP70 (Biotin)
Host species	Rabbit
Conjugation	Biotin
Specificity	ab28499 recognises Peroxisomal membrane protein 70 (PMP70).
Tested applications	Suitable for: WB, Flow Cyt, ICC/IF
Species reactivity	Reacts with: Mouse, Human Predicted to work with: Rat, Chicken 
Immunogen	Synthetic peptide: NYEFKKITEDTVEFGS , corresponding to C terminal amino acids 644 - 659 of Rat PMP70 Run BLAST with Run BLAST with
Positive control	Mouse kidney protein extract

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Store at -20°C or -80°C. Avoid freeze / thaw cycle.
Storage buffer	Preservative: 0.05% Sodium azide Constituents: PBS, 0.1% BSA
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab28499** in the following tested applications.

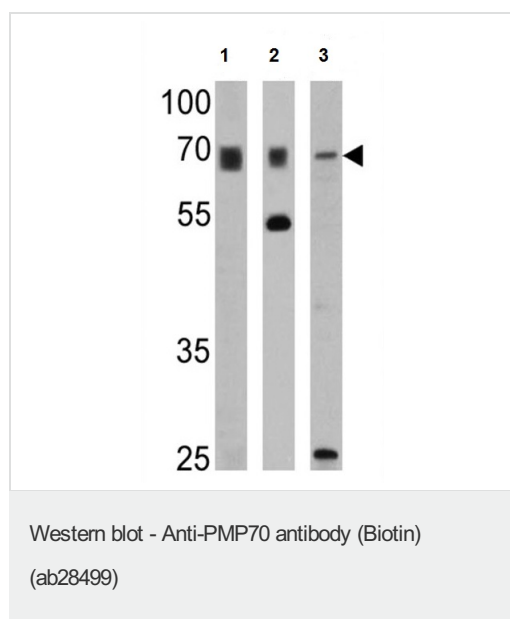
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/500. Predicted molecular weight: 74 kDa.
Flow Cyt		Use at an assay dependent concentration.
ICC/IF		Use at an assay dependent concentration.

Target

Function	Probable transporter. The nucleotide-binding fold acts as an ATP-binding subunit with ATPase activity.
Sequence similarities	Belongs to the ABC transporter superfamily. ABCD family. Peroxisomal fatty acyl CoA transporter (TC 3.A.1.203) subfamily. Contains 1 ABC transmembrane type-1 domain. Contains 1 ABC transporter domain.
Cellular localization	Peroxisome membrane.

Images



All lanes : Anti-PMP70 antibody (Biotin) (ab28499) at 1/1000 dilution

Lane 1 : Mouse lung tissue lysate

Lane 2 : Mouse liver tissue lysate

Lane 3 : HepG2 cell lysate

Lysates/proteins at 25 µg per lane.

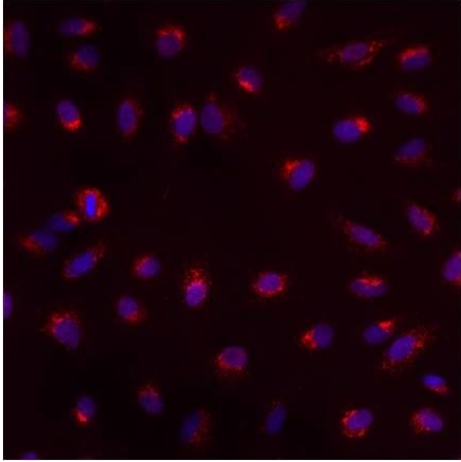
Secondary

All lanes : HRP-conjugated anti-rabbit

Predicted band size: 74 kDa

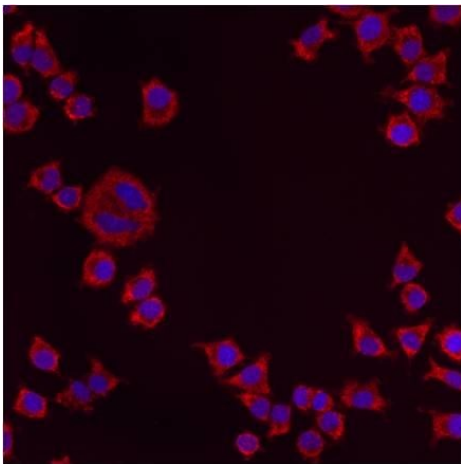
Observed band size: 70 kDa

[why is the actual band size different from the predicted?](#)



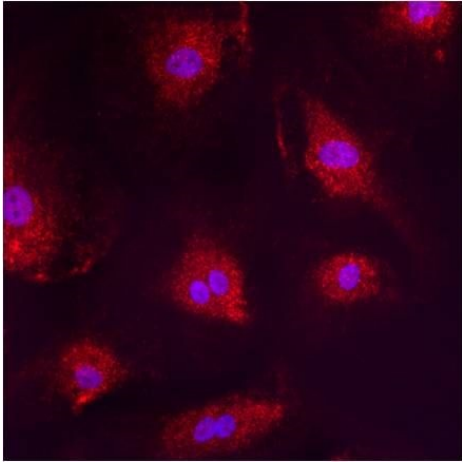
Immunofluorescent analysis of PMP70 staining in A459 cells with ab28499.

Immunocytochemistry/ Immunofluorescence - Anti-PMP70 antibody (Biotin) (ab28499)



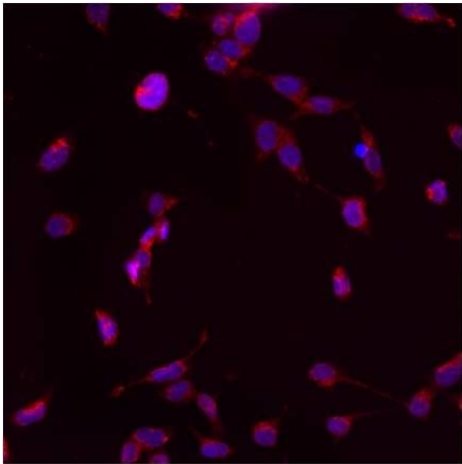
Immunofluorescent analysis of PMP70 staining in NS-1 cells with ab28499.

Immunocytochemistry/ Immunofluorescence - Anti-PMP70 antibody (Biotin) (ab28499)



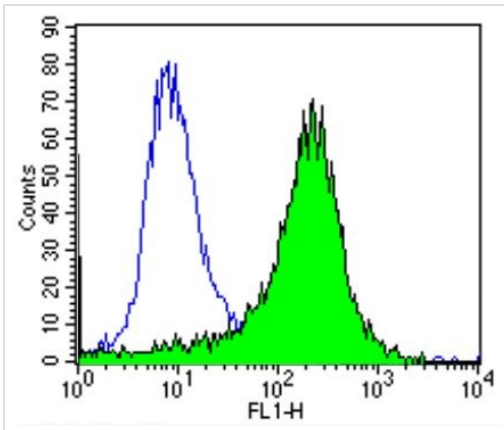
Immunofluorescent analysis of PMP70 staining in HMVEC cells with ab28499.

Immunocytochemistry/ Immunofluorescence - Anti-PMP70 antibody (Biotin) (ab28499)



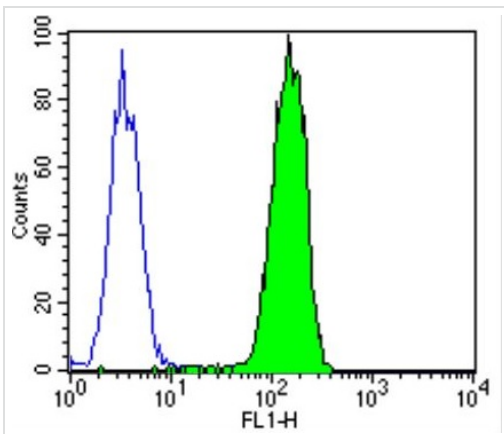
Immunofluorescent analysis of PMP70 staining in p19 cells with ab28499.

Immunocytochemistry/ Immunofluorescence - Anti-PMP70 antibody (Biotin) (ab28499)



Flow Cytometry - Anti-PMP70 antibody (Biotin)
(ab28499)

Flow cytometry analysis of PMP70 in HepG2 cells (green) compared to an isotype control (blue). Cells were harvested, adjusted to a concentration of $1-5 \times 10^6$ cells/mL, fixed with 2% paraformaldehyde and washed with PBS. Cells were blocked with a 2% solution of BSA-PBS for 30 min at room temperature and incubated with ab28499 at a dilution of 0.5 $\mu\text{g}/\text{test}$ for 60 min at room temperature. Cells were then incubated for 40 min at room temperature in the dark using a Dylight[®] 488-conjugated goat anti-mouse IgG (H+L) secondary antibody and re-suspended in PBS for FACS analysis.



Flow Cytometry - Anti-PMP70 antibody (Biotin)
(ab28499)

Flow cytometry analysis of PMP70 in 293T cells (green) compared to an isotype control (blue). Cells were harvested, adjusted to a concentration of $1-5 \times 10^6$ cells/mL, fixed with 2% paraformaldehyde and washed with PBS. Cells were blocked with a 2% solution of BSA-PBS for 30 min at room temperature and incubated with ab28499 at a dilution of 0.5 $\mu\text{g}/\text{test}$ for 60 min at room temperature. Cells were then incubated for 40 min at room temperature in the dark using a Dylight[®] 488-conjugated goat anti-mouse IgG (H+L) secondary antibody and re-suspended in PBS for FACS analysis.

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