

Anti-PGP9.5 antibody [BH7] ab72911

19 References [画像数 3](#)

製品の概要

製品名	Anti-PGP9.5 antibody [BH7]
製品の詳細	Mouse monoclonal [BH7] to PGP9.5
由来種	Mouse
アプリケーション	適用あり: WB, ICC/IF, Flow Cyt
種交差性	交差種: Rat, Human
免疫原	Recombinant full length human PGP9.5 purified from E. coli.
ポジティブ・コントロール	Rat hippocampal cell homogenate and rat spinal cord tissue.
特記事項	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
バッファー	Preservative: 0.065% Sodium azide Constituent: PBS
精製度	Protein G purified
ポリ/モノ	モノクローナル
クローン名	BH7
アイソタイプ	IgG1

アプリケーション

The Abpromise guarantee

Abpromise保証は、次のテスト済みアプリケーションにおけるab72911の使用に適用されます

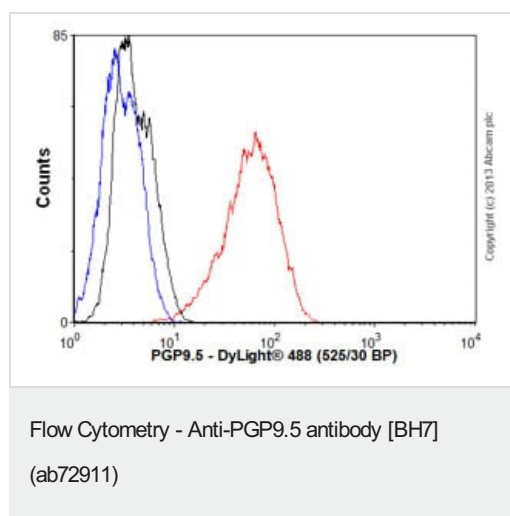
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご確認ください。

アプリケーション	Abreviews	特記事項
WB		1/5000. Detects a band of approximately 43 kDa (predicted molecular weight: 25 kDa).
ICC/IF		1/500.
Flow Cyt		Use 1µg for 10 ⁶ cells. ab170190 - Mouse monoclonal IgG1, is suitable for use as an isotype control with this antibody.

ターゲット情報

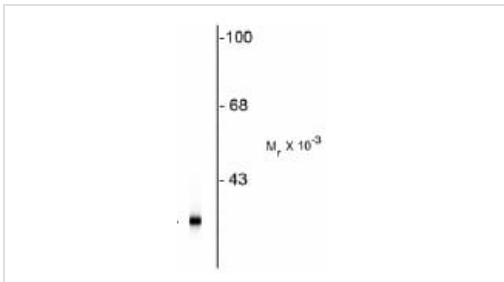
機能	Ubiquitin-protein hydrolase involved both in the processing of ubiquitin precursors and of ubiquitinated proteins. This enzyme is a thiol protease that recognizes and hydrolyzes a peptide bond at the C-terminal glycine of ubiquitin. Also binds to free monoubiquitin and may prevent its degradation in lysosomes. The homodimer may have ATP-independent ubiquitin ligase activity.
組織特異性	Found in neuronal cell bodies and processes throughout the neocortex (at protein level). Expressed in neurons and cells of the diffuse neuroendocrine system and their tumors. Weakly expressed in ovary. Down-regulated in brains from Parkinson disease and Alzheimer disease patients.
関連疾患	Parkinson disease 5 Neurodegeneration with optic atrophy, childhood-onset
配列類似性	Belongs to the peptidase C12 family.
翻訳後修飾	O-glycosylated.
細胞内局在	Cytoplasm. Endoplasmic reticulum membrane. About 30% of total UCHL1 is associated with membranes in brain.

画像



Overlay histogram showing SH-SY5Y cells stained with ab72911 (red line). The cells were fixed with 4% paraformaldehyde (10 min) and then permeabilized with 0.1% PBS-Tween for 20 min. The cells were then incubated in 1x PBS / 10% normal goat serum / 0.3M glycine to block non-specific protein-protein interactions followed by the antibody (ab72911, 1µg/1x10⁶ cells) for 30 min at 22°C. The secondary antibody used was DyLight® 488 goat anti-mouse IgG (H&L) (**ab96879**) at 1/500 dilution for 30 min at 22°C. Isotype control antibody (black line) was mouse IgG1 [ICIGG1] (**ab91353**, 2µg/1x10⁶ cells) used under the same conditions. Unlabelled sample (blue line) was also used as a control. Acquisition of >5,000 events were collected using a 20mW Argon ion laser (488nm) and 525/30 bandpass filter. This antibody gave a positive signal in SH-

SY5Y cells fixed with 80% methanol (5 min)/permeabilized with 0.1% PBS-Tween for 20 min used under the same conditions.

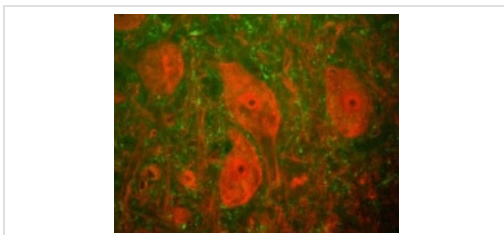


Western blot - Anti-PGP9.5 antibody [BH7] (ab72911)

Anti-PGP9.5 antibody [BH7] (ab72911) at 1/5000 dilution + rat hippocampal homogenate

Predicted band size: 25 kDa

Observed band size: <43 kDa



Immunocytochemistry/ Immunofluorescence - Anti-PGP9.5 antibody [BH7] (ab72911)

ab72911 at 1/500 dilution staining PGP9.5 in rat spinal cord by Immunofluorescence (shown in red). Anti-neurofilament NF-H antibody staining is shown in green. The large cells are a-motorneurons and PGP9.5 fills the cytoplasm of their perikarya and dendrites.

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