

For Research Use Only

Neural Cell Markers Essentials

Antibody Kit

Catalog Number: PK30026



产品介绍

Neural Cell Markers Essentials Antibody Kit为识别和研究神经元和胶质细胞提供了一种经济有效的工具。对于开始新项目的研究人员、筛选多个潜在目标的研究人员或那些仅仅需要较少体积抗体的研究人员来说是非常适合的。

产品成分

Neural Cell Markers Essentials Antibody Kit包含6个用于识别神经细胞和胶质细胞的关键蛋白靶点的抗体。

Antigen	Catalog No.	Host, clonality	Tested Reactivity	Applications	Cell Type Marker	Volume
MAP2	<a href="#">17490-1-AP</a>	Rabbit polyclonal	H, M, Rt	WB, IHC, IF/IC, IF-P, FC, IP, ELISA	Neurons (dendrites)	20 uL
NeuN	<a href="#">66836-1-Ig</a>	Mouse monoclonal	H, M, Rt	IHC, IF-P, FC, ELISA	Neurons (cell body)	20 uL
TUBB3	<a href="#">66375-1-Ig</a>	Mouse monoclonal	H, M, Rt, Pg, Rb, Ch	WB, IHC, IF/IC, IF-P, FC (Intracellular), ELISA	Neurons (axon)	20 uL
GFAP	<a href="#">81063-1-RR</a>	Rabbit Monoclonal	H, M, Rt, Pg	WB, IHC, IF-P, ELISA	Astrocytes	20 uL
Iba1	<a href="#">81728-1-RR</a>	Rabbit Monoclonal	H, M, Rt	WB, IHC, IF-P, FC (Intracellular), ELISA	Microglia	20 uL
CNPase	<a href="#">66729-1-Ig</a>	Mouse monoclonal	H, M, Rt, Pg	WB, IF-P, FC (Intracellular), ELISA	Oligodendrocytes	20 uL

如果此试剂盒中的抗体不满足您的需求，请参考我们的“[Neural Cell Markers Expanded Antibody Kit](#)”。

包装规格

6× 20 uL

保存条件

-20℃保存。自收到之日起一年内保持稳定。

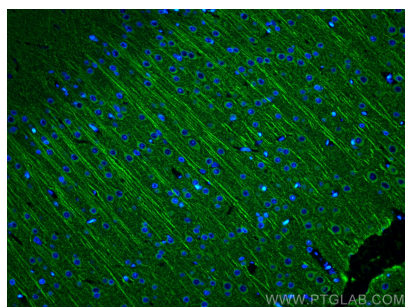
背景介绍

中枢神经系统（CNS）是一个复杂的网络，由多种细胞组成，包括神经元、星形胶质细胞、少突胶质细胞、小胶质细胞和神经干细胞。确定细胞群和蛋白质定位可以促进研究探索神经发育或神经疾病过程中发生的生物学过程，如细胞增殖、迁移、分化、形态和突触形成。

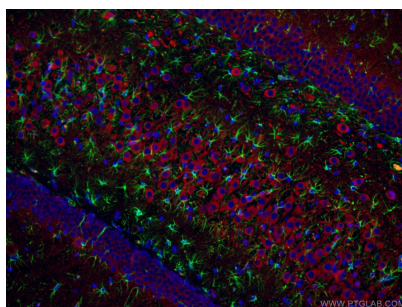
标准实验流程

点击[此处](#)查看我们用于各种应用的标准流程，包括WB、IP、IHC、IF、FC和ELISA。

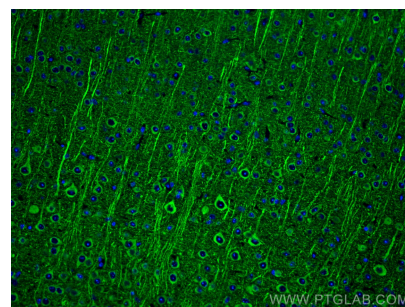
## Validation Data



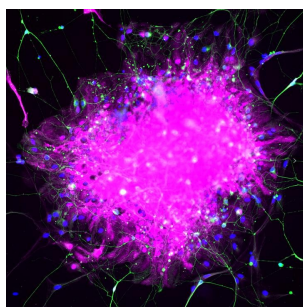
Immunofluorescent analysis of (4% PFA) fixed rat brain tissue using MAP2 antibody (17490-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



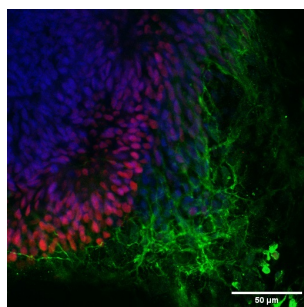
Immunofluorescent analysis of (4% PFA) fixed rat brain tissue using 17490-1-AP (MAP2 antibody) at dilution of 1:100 and CoraLite594-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L). The section was co-stained with 60190-1-Ig (GFAP antibody, green).



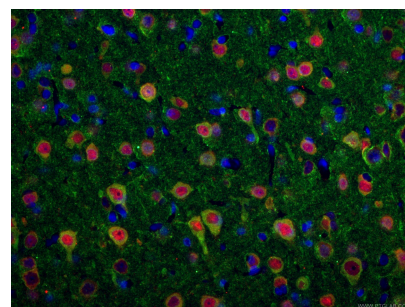
Immunofluorescent analysis of (4% PFA) fixed mouse brain tissue using MAP2 antibody (17490-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



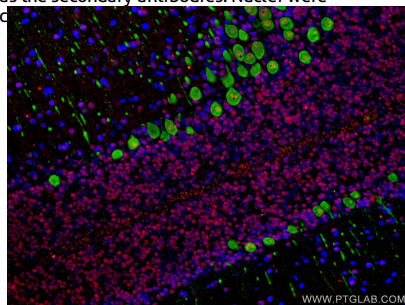
Immunofluorescence analysis of human pluripotent stem cell-derived astrocytes with S100  $\beta$  (15146-1-AP) at 1/200 (Magenta) and neurons with TUJ1 (66375-1-Ig) at 1:500 (Green). The sample was fixed with 4% Paraformaldehyde and permeabilized with 0.3% Triton X-100. Alexa Fluor 488-conjugated goat anti-mouse IgG (1/500) and Alexa Fluor 594-conjugated goat anti-rabbit IgG (1/500) were used as the secondary antibodies. Nuclei were



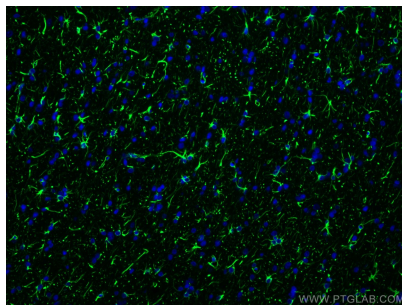
Retinal organoids (day 30) generated from human induced pluripotent stem cells (iPSCs) and fixed with 4% PFA. Stained for Tubulin beta 3/TUJ1 using 66375-1-Ig at 1:500 dilution (green) and PAX6 (12323-1-AP) at 1:500. Nuclear stain DAPI (blue). Scale bar = 50  $\mu$ m. Data generated by Alessandro Bellapianta at Johannes Kepler Universitat, Austria.



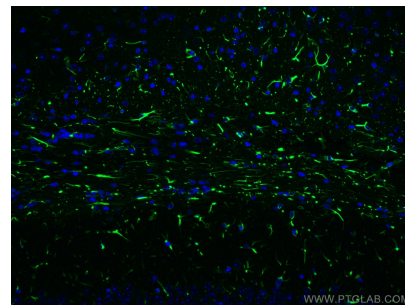
Immunofluorescent analysis of (4% PFA) fixed brain tissue using 66375-1-Ig (TUBB3-specific antibody), at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L). The section was co-stained with 26975-1-AP (NeuN antibody, red).



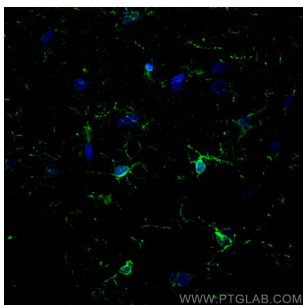
Immunofluorescent analysis of (4% PFA) fixed rat cerebellum tissue using 66836-1-Ig (NeuN antibody, red), at dilution of 1:200 and CoraLite®594-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L). The section was co-stained with 14479-1-AP (Calbindin-D28k antibody, green).



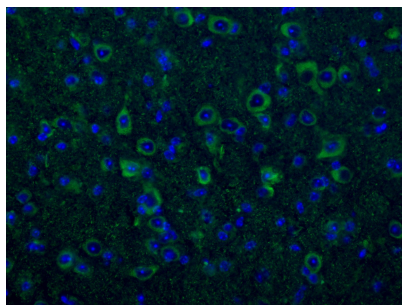
Immunofluorescent analysis of (4% PFA) fixed rat brain tissue using GFAP antibody (81063-1-RR, Clone: 4C6) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



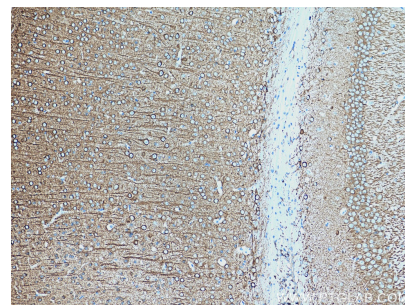
Immunofluorescent analysis of (4% PFA) fixed mouse brain tissue using GFAP antibody (81063-1-RR, Clone: 4C6) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Immunofluorescent analysis of (4% PFA) fixed rat brain tissue using IBA1 antibody (81728-1-RR, Clone: 4D5) at dilution of 1:500 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Immunofluorescent analysis of (4% PFA) fixed mouse brain tissue using 66729-1-Ig (CNPase antibody), at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 17490-1-AP (MAP2 antibody) at dilution of 1:5000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).

For technical support and original validation data for this product please contact

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