


Product datasheet

Anti-Myelin oligodendrocyte glycoprotein antibody ab115597

★★★★☆ 3 Abreviews 4 图像

概述

产品名称	Anti-Myelin oligodendrocyte glycoprotein抗体
描述	山羊多克隆抗体to Myelin oligodendrocyte glycoprotein
宿主	Goat
经测试应用	适用于: ICC/IF, WB, ELISA, IHC-P, IP, IHC-R
种属反应性	与反应: Rat, Human 预测可用于: Mouse, Horse, Cow, Pig 
免疫原	Synthetic peptide: AGQFLEELRNPF with a Cysteine residue linker, corresponding to C terminal amino acids 236-247 of Human Myelin oligodendrocyte glycoprotein (NP_002424.3). Run BLAST with Run BLAST with
阳性对照	Human brain cortex tissue; Human brain lysate.

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term.
存储溶液	pH: 7.30 Preservative: 0.02% Sodium azide Constituents: 99% Tris buffered saline, 0.5% BSA
纯度	Protein G purified
克隆	多克隆
同种型	IgG

应用

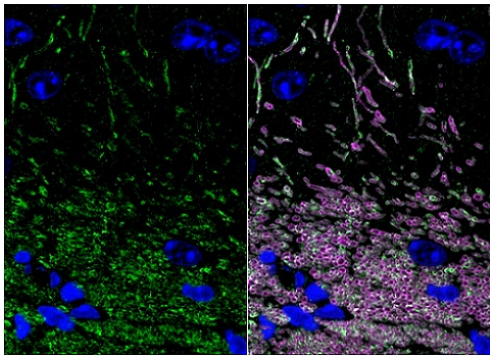
Our [Abpromise guarantee](#) covers the use of **ab115597** in the following tested applications.
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

应用	Ab评论	说明
ICC/IF	★★★★☆	Use at an assay dependent concentration.
WB		Use a concentration of 0.03 - 1 µg/ml. Predicted molecular weight: 28 kDa.
ELISA		1/16000.
IHC-P		Use a concentration of 5 µg/ml. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
IP	★★★★☆	Use at an assay dependent concentration.
IHC-R		1/50.

靶标

功能	Mediates homophilic cell-cell adhesion (By similarity). Minor component of the myelin sheath. May be involved in completion and/or maintenance of the myelin sheath and in cell-cell communication.
组织特异性	Found exclusively in the CNS, where it is localized on the surface of myelin and oligodendrocyte cytoplasmic membranes.
序列相似性	Belongs to the immunoglobulin superfamily. BTN/MOG family. Contains 1 Ig-like V-type (immunoglobulin-like) domain.
细胞定位	Cell membrane.

图片



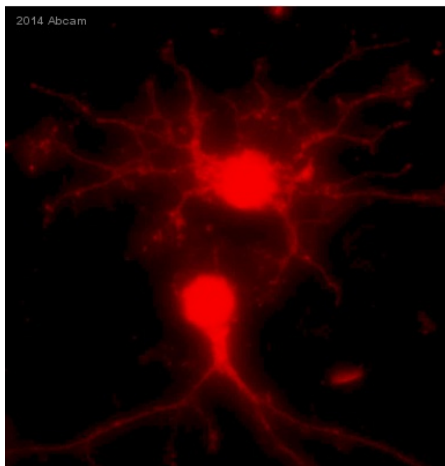
Immunohistochemistry (Resin sections) - Anti-Myelin oligodendrocyte glycoprotein antibody (ab115597)

Image courtesy of Dr. Kristina Mcheva, Stanford University School of Medicine.

Array tomography of adult mouse cortex using Anti-Myelin oligodendrocyte glycoprotein antibody (ab115597) (green), MBP (magenta) and DAPI (blue).

Tissue was fixed with 2% paraformaldehyde before being embedded in Lowicryl HM20 resin. Ultra-thin sections (70 nm) were incubated with Anti-Myelin oligodendrocyte glycoprotein antibody (ab115597) at a concentration of 1/50. The image is a volume reconstruction from 17 serial sections, showing layer 6 (top half) and white matter (bottom half).

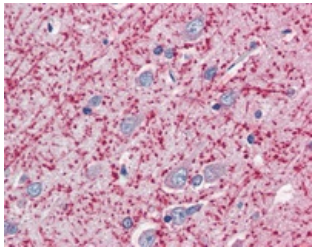
The immunostaining was carried out exactly as described in this [array tomography protocol](#), but with an additional step at the beginning that involved three minutes in 1% sodium borohydride in Tris, followed by 20 minute washes in Tris.



Immunocytochemistry/ Immunofluorescence - Anti-Myelin oligodendrocyte glycoprotein antibody (ab115597)

This image is courtesy of an anonymous Abreview

ab115597 staining Myelin oligodendrocyte glycoprotein in rat oligodendrocytes by ICC/IF (Immunocytochemistry/immunofluorescence). Cells were fixed with paraformaldehyde and blocked with 10% serum for 10 minutes at 25°C. Samples were incubated with primary antibody (1/150) for 10 hour at 4°C. An Alexa Fluor® 594-conjugated donkey anti-goat IgG polyclonal (1/300) was used as the secondary antibody.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Myelin oligodendrocyte glycoprotein antibody (ab115597)

ab115597, at 5µg/ml, staining Myelin oligodendrocyte glycoprotein in Formalin-fixed, Paraffin-embedded Human Brain cortex tissue by Immunohistochemistry followed by biotinylated secondary antibody, alkaline phosphatase-streptavidin and chromogen.



Western blot - Anti-Myelin oligodendrocyte glycoprotein antibody (ab115597)

Anti-Myelin oligodendrocyte glycoprotein antibody (ab115597) at 0.03 µg/ml + Human Brain lysate at 30 µg

Developed using the ECL technique.

Predicted band size: 28 kDa

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