

Anti-Olig1 Recombinant Chicken Chimeric mAb

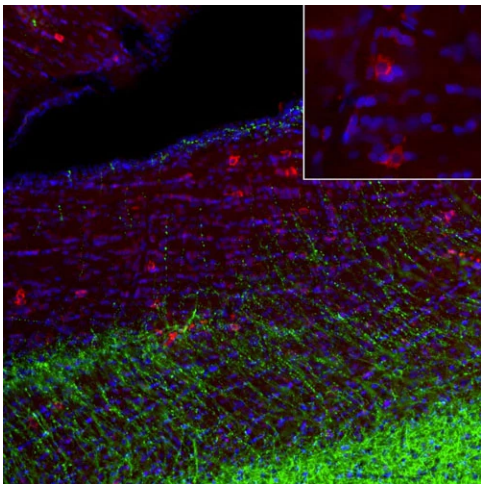


Product Details

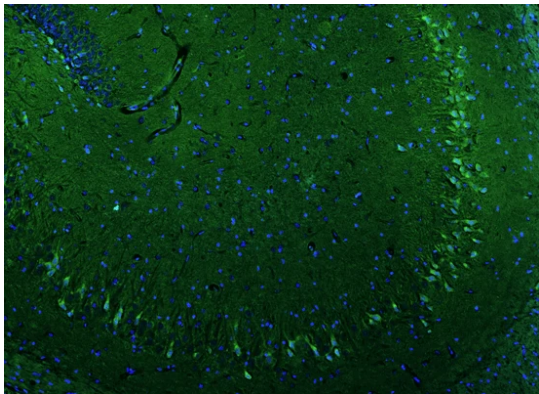
Available Variants	100 µL (SKU:78-180) 20 µL (SKU:78-180-020)
Conjugate	Unconjugated
Isotype	IgY
Clone	N149/25
Gene Name	Olig1
Host Species	Chicken
Concentration	1 mg/mL
Format	Purified by affinity chromatography
Physical State	Liquid
Buffer	1X PBS, 0.05% Sodium Azide pH 7.4
Production Notes	This recombinant antibody is a chimeric antibody created by replacing the mouse heavy and light constant regions of clone N149/25 with chicken IgY heavy and light constant regions. As such this antibody retains the same binding performance as the original clone N149/25 but can be detected using standard anti-chicken secondary antibodies allowing flexibility for multiplexing applications. This antibody is expressed recombinantly in mammalian cells and then affinity purified from the cell culture media.
Applications	ELISA, ICC, IHC, WB
Species Reactivity	Mouse, Rat
Immunogen	Fusion protein amino acids 1-67 (N-terminus) of mouse Olig1 (accession number Q9JKN5) produced recombinantly in E. Coli
Specificity	No cross-reactivity against Olig2
Molecular Weight	30 kDa

Quality Control	Each new lot of antibody is quality control tested on cells overexpressing target protein and confirmed to give the expected staining pattern.
Storage	Aliquot and store at $\leq -20^{\circ}\text{C}$ for long term storage. For short term storage, store at $2-8^{\circ}\text{C}$. For maximum recovery of product, centrifuge the vial prior to removing the cap.
UniProt ID	Q9JKN5
Country of Origin	United States
Shipping	Shipped on ice packs
Expiration	24 months from date of receipt
Usage Statement	These antibodies are to be used as research laboratory reagents and are not for use as diagnostic or therapeutic reagents in humans.

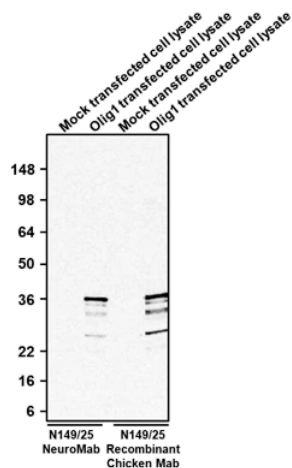
Product Images



Representative image of 4% paraformaldehyde fixed free-floating rat brain sections stained with anti-Olig1 recombinant chicken monoclonal antibody (red) at 1:1000 dilution and co-stained with anti-MAP2 rabbit polyclonal antibody (green). DAPI nuclear stain (blue) shows cell nuclei. Anti-Olig1 specifically stains the oligodendrocytes. Image courtesy of EnCor Biotechnology.



Formalin fixed, paraffin-embedded rat brain hippocampus showing oligodendrocytes stained by Olig1 recombinant chicken monoclonal antibody (Cat. 78-180) using goat anti-chicken IgY CF®488 secondary antibody (Cat. 80-1001-488) (visualized in green). Mounted with Antibodies Incorporated Fluoroshield with DAPI and DABCO mounting medium (Cat. AR-6505). DAPI nuclear stain (blue) shows cell nuclei. Anti-Olig1 specifically stains the oligodendrocytes present in the CA3 and CA4 regions of the hippocampus.



Western blotting of mock transfected and Olig1 transfected COS-7 lysates with anti-Olig1 mouse NeuroMab (Cat. 75-180) and Aves Labs anti-Olig1 recombinant chicken Mab (Cat. 78-180) antibody. The mouse mAb and chicken mAb were detected with anti-mouse-HRP and anti-chicken-HRP (Cat. 80-1000-HRP), respectively. Aves Labs Recombinant Chicken anti-Olig1 mAb recognizes exogenous Olig1 with similar sensitivity as the anti-Olig1 NeuroMab only in Olig1 transfected COS-7 lysates at ~30 kDa.

Product Page URL: www.antibodiesinc.com/products/anti-olig1-recombinant-antibody-n149-25-78-180



Created on 04. September 2026 | All information without guarantee