

Anti-SynCAM4 Antibody

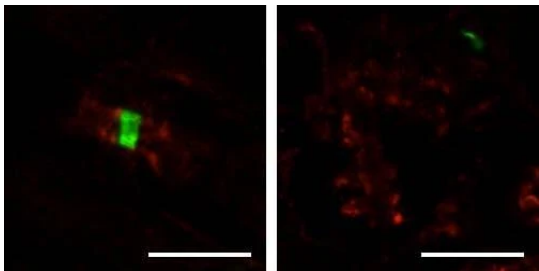


Product Details

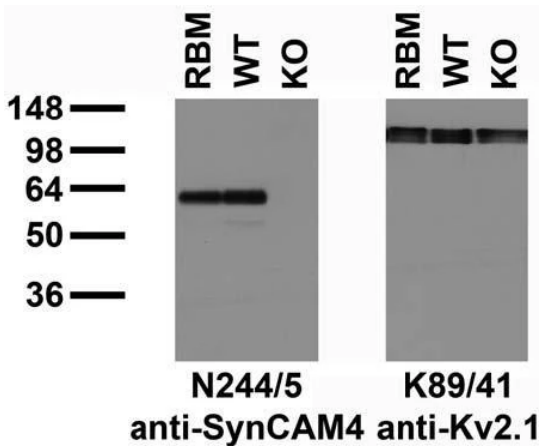
Available Variants	100 µL (SKU:75-247)
Conjugate	Unconjugated
Isotype	IgG1
Clone	N244/5
Gene Name	Cadm4 Igsf4c Necl4 Tsl2
Host Species	Mouse
Concentration	1 mg/mL
Format	Purified by Protein A chromatography
Physical State	Liquid
Buffer	10 mM Tris, 50 mM Sodium Chloride, 0.065% Sodium Azide pH 7.125
Production Notes	Produced by in vitro bioreactor culture of hybridoma line followed by Protein A affinity chromatography. Purified mAbs are >90% specific antibody.
Applications	ELISA, ICC, IHC, WB
Dilution Ranges	WB: 1:1000 IHC: 1:100 ICC: 1:500
Species Reactivity	Human, Mouse, Rat
Immunogen	Fusion protein amino acids 1-321 (signal peptide and extracellular N-terminus) of mouse SynCAM4 (accession number Q8R464) produced recombinantly in E. Coli
Specificity	Does not cross-react with other SynCAMs (based on KO validation results)
Molecular Weight	43 kDa

Quality Control	Each new lot of antibody is quality control tested by western blot on rat whole brain lysate and confirmed to stain the expected molecular weight band.
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.
Antibody Registry ID	AB_10676101
UniProt ID	Q8R464
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



Adult rat sciatic nerve immunofluorescence staining: paranodes labeled with N244/5 (red) surround nodes of Ranvier labeled with Beta-IV spectrin (green) (image on right is cross-section of a similar image of left). Images courtesy of Matt Rasband (Baylor College of Medicine).



Immunoblot versus adult rat brain membranes (RBM) and adult mouse brain membranes from wild-type (WT) and SynCAM4 knockout (KO) mice and probed with N244/5 (left) and K89/41 (right) TC supe. Samples courtesy of Matt Rasband, Baylor College of Medicine.



Created on 10. September 2026 | All information without guarantee