

## Purified anti-SynCAM4 Antibody (Previously Covance catalog# MMS-5257)

<b>Catalog# / Size</b>	833302 / 25 µL 833301 / 100 µL
<b>Clone</b>	N244/5
<b>Regulatory Status</b>	RUO
<b>Other Names</b>	TSL2, IGSF4C, Necl-4, Cell adhesion molecule 4, NECL-4, SynCAM 4, TSLC1-like 2, TSLC1-like protein 2, nectin-like protein 4, membrane glycoprotein Tsl2, immunoglobulin superfamily member 4C, immunoglobulin superfamily, member 4C
<b>Previously</b>	Covance Catalog# MMS-5257
<b>Isotype</b>	Mouse IgG1, κ
<b>Description</b>	SynCAM molecules mediate homotypic adhesion in the neural synapse. These proteins are also known as Necl1-4 or cell adhesion molecule 1-4.

### Product Details

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<b>Verified Reactivity</b>	Human, Mouse, Rat
<b>Antibody Type</b>	Monoclonal
<b>Host Species</b>	Mouse
<b>Immunogen</b>	This monoclonal antibody was raised against a fusion protein corresponding to amino acids 1-321 (signal peptide and extracellular N-terminus) of mouse SynCAM4.
<b>Formulation</b>	Phosphate-buffered solution.
<b>Preparation</b>	The antibody was purified by affinity chromatography.
<b>Concentration</b>	1 mg/ml
<b>Storage &amp; Handling</b>	The antibody solution should be stored undiluted between 2°C and 8°C. Please note the storage condition for this antibody has been changed from -20°C to between 2°C and 8°C. You can also check your vial or your CoA to find the most accurate storage condition for this antibody.
<b>Application</b>	<a href="#">WB - Quality tested</a> <a href="#">IHC-P - Verified</a>
<b>Recommended Usage</b>	Each lot of this antibody is quality control tested by <a href="#">Western blotting</a> . For Western blotting, the suggested use of this reagent is 0.5 µg per ml. Each lot of this antibody is quality control tested by formalin-fixed paraffin-embedded immunohistochemical staining. For immunohistochemistry, a concentration range of 0.5 µg/ml is suggested. It is recommended that the reagent be titrated for optimal performance for each application.
<b>Application Notes</b>	This antibody is effective in immunoblotting (WB).
<b>RRID</b>	AB_2749915 (BioLegend Cat. No. 833302) AB_2564965 (BioLegend Cat. No. 833301)

### Antigen Details

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<b>Structure</b>	Expected molecular weight 50 kD
<b>Biology Area</b>	Cell Biology, Neuroscience, Signal Transduction, Synaptic Biology
<b>Molecular Family</b>	Adhesion Molecules
<b>Gene ID</b>	<a href="#">260299</a>

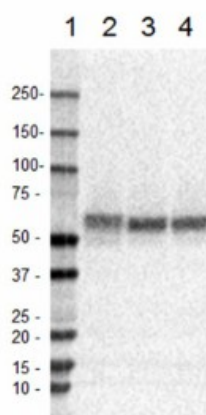
## Related Protocols

[Western Blotting Protocol](#)

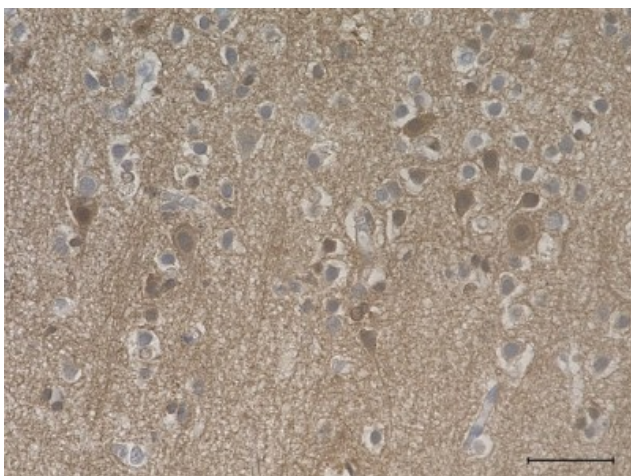
## Other Formats

Purified anti-SynCAM4, HRP anti-SynCAM4

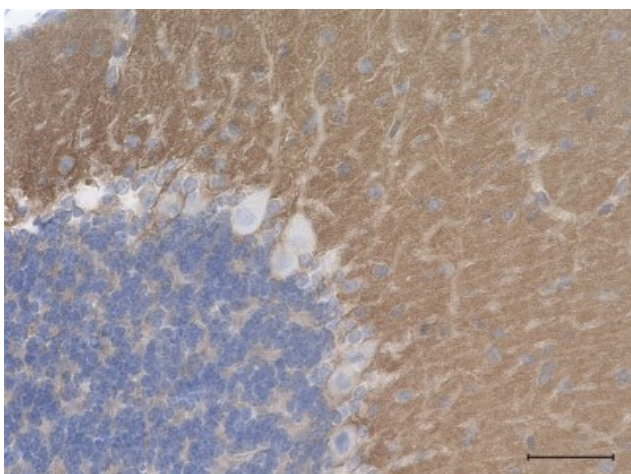
## Product Data



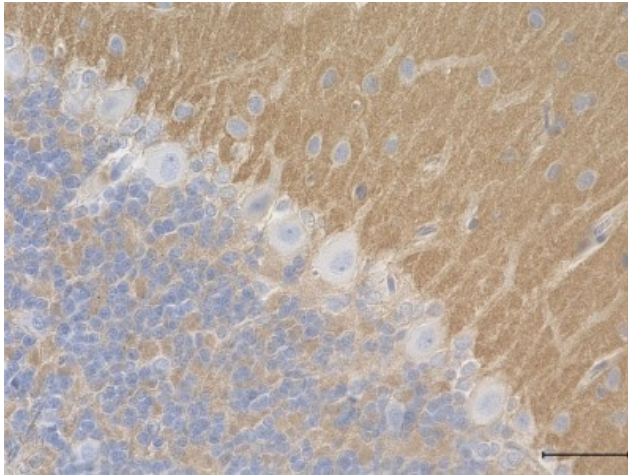
Lane 1: Molecular weight marker; Lane 2: 20  $\mu$ g of human brain membrane lysate; Lane 3: 20  $\mu$ g of mouse brain membrane lysate; Lane 4: 20  $\mu$ g of rat brain membrane lysate. The blot was incubated with 0.1  $\mu$ g/mL of the primary antibodies overnight at 4°C, followed by incubation with HRP labeled goat anti-mouse IgG (Cat. No. 405301). Enhanced chemiluminescence was used as the detection system.



IHC staining of anti-SynCAM4 antibody (clone N244/5) on formalin-fixed paraffin-embedded human brain tissue. Following antigen retrieval using Sodium Citrate H.I.E.R (Cat. No. 928602), the tissue was incubated with 0.5  $\mu$ g/ml of the primary antibody overnight at 4°C. BioLegend's Ultra-Streptavidin (USA) HRP kit (Multi-Species, DAB, Cat. No. 929901) was used for detection followed by hematoxylin counterstaining, according to the protocol provided. The image was captured with a 40X objective. Scale bar: 50  $\mu$ m



IHC staining of anti-SynCAM4 antibody (clone N244/5) on formalin-fixed paraffin-embedded mouse brain tissue. Following antigen retrieval using Sodium Citrate H.I.E.R (Cat. No. 928602), the tissue was incubated with 0.5  $\mu$ g/ml of the primary antibody overnight at 4°C. BioLegend's Ultra-Streptavidin (USA) HRP kit (Multi-Species, DAB, Cat. No. 929901) was used for detection followed by hematoxylin counterstaining, according to the protocol provided. The image was captured with a 40X objective. Scale bar: 50  $\mu$ m



IHC staining of anti-SynCAM4 antibody (clone N244/5) on formalin-fixed paraffin-embedded rat brain tissue. Following antigen retrieval using Sodium Citrate H.I.E.R (Cat. No. 928602), the tissue was incubated with 0.5 µg/ml of the primary antibody overnight at 4°C. BioLegend's Ultra-Streptavidin (USA) HRP kit (Multi-Species, DAB, Cat. No. 929901) was used for detection followed by hematoxylin counterstaining, according to the protocol provided. The image was captured with a 40X objective. Scale bar: 50 µm

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