

## SynCAM 3

Cat.No. 243 303; Polyclonal rabbit antibody, 50 µg specific antibody (lyophilized)

### Data Sheet

Reconstitution/ Storage	50 µg specific antibody, lyophilized. Affinity purified with the immunogen. Rabbit serum albumin was added for stabilization. For reconstitution add 50 µl H <sub>2</sub> O to get a 1mg/ml solution in PBS. Then aliquot and store at -20°C until use.
Applications	<b>WB:</b> 1 : 1000 (AP staining) <b>IP:</b> not tested yet <b>ICC:</b> not tested yet <b>IHC:</b> not tested yet <b>IHC-P/FFPE:</b> not tested yet
Immunogen	Synthetic peptide corresponding to AA 171 to 185 from mouse SynCAM3 (UniProt Id: Q99N28)
Reactivity	Reacts with: rat (Q1WIM3), mouse (Q99N28). Other species not tested yet.
Specificity	Specific for synCAM 3.
matching control	243-3P

**TO BE USED IN VITRO / FOR RESEARCH ONLY**  
**NOT TOXIC, NOT HAZARDOUS, NOT INFECTIOUS, NOT CONTAGIOUS**

Development of synapses involves transsynaptic interactions of dedicated synaptic adhesion molecules like neuroligins, neurexins and synCAMs (**S**ynaptic cell **a**dhesion **m**olecules). Four SynCAM isoforms have been described so far. All share a common domain structure and contain three extracellular Ig domains, a single transmembrane region, and a short COOH-terminal cytoplasmic tail. **SynCAM 2** has been shown to be associated to myelinated axons and **synCAM 3** can serve as a receptor for herpes viruses.

### Selected General References

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