

SALM 2

Cat.No. 294 203; 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 ₂ O to get a 1mg/ml solution in PBS. Then aliquot and store at -20°C until use.
Applications	WB: 1 : 100 up to 1 : 1000 (AP staining) IP: not tested yet ICC: not tested yet IHC: not tested yet IHC-P/FFPE: not tested yet
Immunogen	Synthetic peptide corresponding to AA 404 to 420 from rat SALM2 (UniProt Id: P0C7J6)
Reactivity	Reacts with: rat (P0C7J6), mouse (Q2WF71). Other species not tested yet.
Specificity	Specific for SALM 2.
matching control	294-2P

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

Synaptic adhesion-like molecules (**SALMs**) are a family of cell adhesion molecules also known as LRFN (leucine-rich repeat and fibronectin III domain-containing). They are involved in neurite outgrowth and synapse formation.

SALM 1, 2, and 3 contain a cytoplasmic C-terminal PDZ-binding motif which is not present in SALM 4 and 5.

Selected General References

Selected SALM (synaptic adhesion-like molecule) family proteins regulate synapse formation.

Mah W, Ko J, Nam J, Han K, Chung WS, Kim E

The Journal of neuroscience : the official journal of the Society for Neuroscience (2010) 30(16): 5559-68.

The SALM family of adhesion-like molecules forms heteromeric and homomeric complexes.

Seabold GK, Wang PY, Chang K, Wang CY, Wang YX, Petralia RS, Wenthold RJ

The Journal of biological chemistry (2008) 283(13): 8395-405.

Comparative analysis of structure, expression and PSD95-binding capacity of Lrln, a novel family of neuronal transmembrane proteins.

Morimura N, Inoue T, Katayama K, Aruga J

Gene (2006) 380(2): 72-83.