

Liprin-α3

Cat.No. 169-0P; control protein, 100 µg protein (lyophilized)

Data Sheet

Reconstitution/ Storage	100 µg protein, lyophilized. For reconstitution add 100 µl H ₂ O to get a 1mg/ml solution in PBS. Then aliquot and store at -20°C until use.
Immunogen	Recombinant protein corresponding to AA 313 to 461 from mouse Liprin-α3 (UniProt Id: P60469)
Recommended dilution	Optimal concentrations should be determined by the end-user.
matching antibodies	169 002
Remarks	This control protein consists of the antigen (aa 313 - 461) that has been used for immunization. It has been tested in preadsorption experiments and blocks efficiently and specifically the corresponding signal in Western blots. The amount of protein needed for efficient blocking depends on the titer and on the affinity of the antibody to the antigen.

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

The **liprin-α/Syd 2** protein family was initially identified as binding partners of the LAR family of receptor protein-tyrosine phosphatases.

Liprin-α proteins are multidomain proteins which are involved in the development of presynaptic active zones. Four isoforms of liprin-α have been described, so far and all of them interact with the RIM binding partners ERC 1b and ERC 2.

All four isoforms of liprin-α have also been identified as members of the MALS complex composed of CASK, Mint1 and Velis. This complex has been reported to be crucial for synaptic vesicle exocytosis.

Selected General References

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