

Sorting Nexin 4

Cat.No. 392-0P; control peptide, 100 µg peptide (lyophilized)

Data Sheet

Reconstitution/ Storage	100 µg peptide, 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. Control peptides should also be stored at -20°C when still lyophilized!
Immunogen	Synthetic peptide corresponding to AA 1 to 21 from mouse SNX4 (UniProt Id: Q91YJ2)
Recommended dilution	Optimal concentrations should be determined by the end-user.
matching antibodies	392 003
Remarks	This control peptide consists of the synthetic peptide (aa 1-21 in mouse SNX 4) 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 peptide 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

Sorting **Nexin 4 (SNX 4)** is involved in preventing the degradation of endocytosed transferrin receptors and their sorting into the Rab 11a recycling pathway. It may also form complexes with clathrin and dynein and binds several additional receptors for the epidermal growth factor, insulin and leptin.

Selected General References

- Reggies/flotillins interact with Rab11a and SNX4 at the tubulovesicular recycling compartment and function in transferrin receptor and E-cadherin trafficking.
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- SNX4 coordinates endosomal sorting of TfnR with dynein-mediated transport into the endocytic recycling compartment.
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