

Syntaxin 2

Cat.No. 110-2P; control protein, 100 µg protein (lyophilized)

Data Sheet

Reconstitution/	100 µg protein, lyophilized. For reconstitution add 100 µl H ₂ O to get a 1mg/ml solution in TBS. Then aliquot and store at -20°C until use.
Storage	
Immunogen	Recombinant protein corresponding to AA 1 to 265 from rat Syntaxin2 (UniProt Id: P50279)
Recommended dilution	Optimal concentrations should be determined by the end-user.
matching antibodies	110 022, 110 123
Remarks	This control protein consists of the recombinant protein (aa 1 - 265 of rat syntaxin 2) 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.

Selected General References

Membrane fusion and exocytosis.
Jahn R, Südhof TC
Annual review of biochemistry (1999) 68: 863-911.

The syntaxin family of vesicular transport receptors.
Bennett MK, García-Arrarás JE, Elferink LA, Peterson K, Fleming AM, Hazuka CD, Scheller RH
Cell (1993) 74(5): 863-73.

Epimorphin: a mesenchymal protein essential for epithelial morphogenesis.
Hirai Y, Takebe K, Takashina M, Kobayashi S, Takeichi M
Cell (1992) 69(3): 471-81.

TO BE USED IN VITRO / FOR RESEARCH ONLY

NOT TOXIC, NOT HAZARDOUS, NOT INFECTIOUS, NOT CONTAGIOUS

Syntaxin 2, also referred to as **Epimorphin**, a member of the SNARE family of proteins, is related to syntaxin 1. Like syntaxin 1 it is predominantly localized to the plasma membrane of a wide variety of cells.

Similar to syntaxins 1, 3 and 4, it appears to be involved in the fusion of transport vesicles with the plasma membrane.