

## Syntaxin 18

Cat.No. 110-18P; control protein, 100 µg protein (lyophilized)

### Data Sheet

Reconstitution/ Storage	100 µg protein, lyophilized. For reconstitution add 100 µl H <sub>2</sub> O to get a 1mg/ml solution in TBS. Then aliquot and store at -20°C until use.
Immunogen	Recombinant protein corresponding to AA 55 to 313 from human Syntaxin18 (UniProt Id: Q9P2W9)
Recommended dilution	Optimal concentrations should be determined by the end-user.
matching antibodies	110 183
Remarks	This control protein consists of the recombinant protein (aa 55 - 313) 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**

Distinct sets of SNARE proteins mediate membrane-membrane fusion events between different intracellular compartments. **Syntaxin 18** is a Q-SNARE associated with the endoplasmic reticulum (ER) and has been shown to interact with P 31/Use 1, BNIP and Sec 22b. In addition syntaxin 18 is involved in the regulated formation of phagosomes.

### Selected General References

Involvement of syntaxin 18, an endoplasmic reticulum (ER)-localized SNARE protein, in ER-mediated phagocytosis. Hatsuzawa K, Tamura T, Hashimoto H, Hashimoto H, Yokoya S, Miura M, Nagaya H, Wada I. Molecular biology of the cell (2006) 17(9): 3964-77.

RINT-1 regulates the localization and entry of ZW10 to the syntaxin 18 complex. Arasaki K, Taniguchi M, Tani K, Tagaya M. Molecular biology of the cell (2006) 17(6): 2780-8.

Syntaxin 18, a SNAP receptor that functions in the endoplasmic reticulum, intermediate compartment, and cis-Golgi vesicle trafficking.

Hatsuzawa K, Hirose H, Tani K, Yamamoto A, Scheller RH, Tagaya M. The Journal of biological chemistry (2000) 275(18): 13713-20.