

Syntaxin 16

Cat.No. 110 163; 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 : 1000 up to 1 : 5000 (AP staining) IP: not tested yet ICC: 1 : 100 up to 1 : 500 IHC: not tested yet IHC-P/FFPE: not tested yet ELISA: yes (see remarks)
Immunogen	Recombinant protein corresponding to AA 1 to 302 from rat Syntaxin16
Reactivity	Reacts with: human (O14662), rat, mouse (Q8BVI5), hamster. Other species not tested yet.
Specificity	Recognizes all four isoforms syntaxin 16a, b, c, d.
matching control	110-16P
Remarks	ELISA: Suitable as detector antibody for sandwich-ELISA with cat. no. 110 161 as capture antibody (protocol for sandwich-ELISA).

Selected General References

Drosophila syntaxin 16 is a Q-SNARE implicated in Golgi dynamics.
Xu H, Boulianne GL, Trimble WS
Journal of cell science (2002) 115(Pt 23): 4447-55.

Syntaxin-16, a putative Golgi t-SNARE.
Simonsen A, Bremnes B, Rønning E, Aasland R, Stenmark H
European journal of cell biology (1998) 75(3): 223-31.

Molecular cloning and localization of human syntaxin 16, a member of the syntaxin family of SNARE proteins.
Tang BL, Low DY, Lee SS, Tan AE, Hong W
Biochemical and biophysical research communications (1998) 242(3): 673-9.

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

Syntaxin 16, a member of the SNARE family of proteins, localizes to the Golgi stack. It has been shown to be involved in trans-Golgi network trafficking and to interact with VAMP 3, VAMP 4 and VAMP 8.

Four splice variants (syntaxin 16a, b, c, d) have been described, which may have different roles in intracellular trafficking. The splice variant c is the shortest and localizes to the cytoplasm.