

Pantophysin

Cat.No. 354-0P; 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 242 to 261 from mouse Pantophysin (UniProt Id: O09117)
Recommended dilution	Optimal concentrations should be determined by the end-user.
matching antibodies	354 002
Remarks	This control peptide consists of the synthetic peptide (aa 242-261 of mouse pantophysin) 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

Pantophysin is a transmembrane protein related to the neuroendocrinespecific synaptophysin. It is ubiquitously expressed in all tissues and defines constitutive transport vesicles.

Selected General References

Pantophysin is a phosphoprotein component of adipocyte transport vesicles and associates with GLUT4-containing vesicles. Brooks CC, Scherer PE, Cleveland K, Whittemore JL, Lodish HF, Cheatham B
The Journal of biological chemistry (2000) 275(3): 2029-36.

Pantophysin is a ubiquitously expressed synaptophysin homologue and defines constitutive transport vesicles. Haass NK, Kartenbeck MA, Leube RE
The Journal of cell biology (1996) 134(3): 731-46.