

Munc18-1

Cat.No. 116 004; Polyclonal Guinea pig antibody, 100 µl antiserum (lyophilized)

Data Sheet

Reconstitution/ Storage	100 µl antiserum, lyophilized. For reconstitution add 100 µl H ₂ O, then aliquot and store at -20°C until use.
Applications	WB: 1 : 1000 up to 1 : 5000 (AP staining) IP: yes ICC: 1 : 500 IHC: 1 : 500 IHC-P/FFPE: 1 : 500
Immunogen	Synthetic peptide corresponding to AA 580 to 594 from rat Munc18-1 (UniProt Id: P61765)
Reactivity	Reacts with: rat, mouse. Other species not tested yet.
Specificity	Specific for Munc 18-1.
matching control	116-0P

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

Munc 18 is an abundant neuronal protein that tightly binds to the synaptic fusion protein syntaxin 1. It is highly homologous to the *C. elegans* unc-18 gene product, and weakly related to the yeast *sec1*, *sly1*, and *slp1* genes.

There are three munc 18 isoforms in mammals. **Munc 18-1** or 18a, also referred to as **rb-sec1**, **n-sec1**, **stxbp1** and **p67**, is primarily expressed in neurons. **Munc 18-2** or 18b, also referred to as **stxbp2**, and Munc 18-3 or 18c are expressed ubiquitously.

Selected References SYSY Antibodies

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Neuron (2018) : . **ICC; tested species: mouse**

Selected General References

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Slp4-a/granuphilin-a interacts with syntaxin-2/3 in a Munc18-2-dependent manner.

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