

Catalog No. LF-PA0113

POLYCLONAL ANTIBODY



Anti-Synaptotagmin VI

Background : Synaptotagmins(Syts) are a large gene family of synaptic vesicle integral membrane proteins. Syt functions as regulators of both exocytosis/endocytosis and is involved in neurotransmitter secretion from small secretory vesicles. 13 isoforms of Syt have been identified(SytI-XIII).

SynaptotagminVI is localized to the endoplasmic reticulum and/or Golgi-like perinuclear compartment. It may be important for trafficking and calcium signaling as it is specially expressed in non-neuronal tissues. Also SytVI is present in the acrosomal region of mammalian spermatozoa. The cytosolic domain of SytVI can abrogate exocytosis by competing with the endogenous protein for essential interactions with the fusion machinery involved in a acrosomal exocytosis.

Immunogen : His-tagged recombinant Human SytVI protein purified *E.coli*

Host : Rabbit

Size : 100 $\mu\ell$

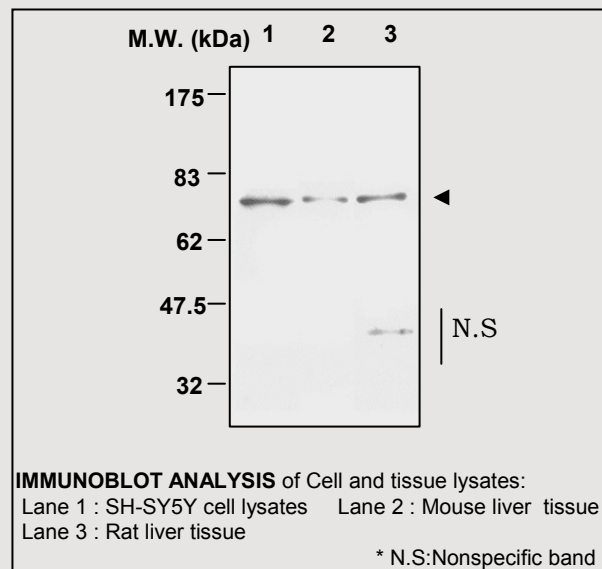
Composition : PBS containing 50% glycerol

Positive control : SH-SY5Y cell lysates

Storage : store for 1 year at -20°C from date of shipment

Species cross reactivity

Human +	Mouse +	Rat +
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Applications :

Western Blotting (1:2,000)

Immunoprecipitation was not tested

Background Reference:

- 1) Michaut M, et al.(2001) *Dev Biol.* **235** (2);521-9
- 2) Mikoshiba K, et al.(1999) *Chem Phys Lipids.* **98**(1-2);59-67
- 3) Butz S, et al.(1999) *J Biol Chem.* **274**(26); 18290-6