

rSec6 Monoclonal Antibody (9H5)

Product Specifications

Catalog Number:	VAM-SV021
Source:	Mouse
Isotype:	IgG _{2a}
Species Reactivity:	Human, mouse, rat, bovine, canine, chicken, hamster, sheep, pig, monkey, rabbit Other species not tested.
Applications:	WB ^{1,4,5} : 1:250 (ECL) Other applications not tested. <i>The optimal dilution for a specific application must be determined by the investigator</i>
Predicted M.W.:	~87 kDa
Concentration:	See product label
Purification:	Protein G Affinity
Format:	PBS, pH 7.2, 0.09% azide, 50% glycerol
Storage:	Store at -20°C <i>Shipping conditions may differ from the recommended storage temperature</i>
Immunogen:	Recombinant rat rSec6 Protein ¹
Related Products:	
LYT-RB100	Rat Brain tissue extract
LYT-MB100	Mouse Brain tissue extract
SAB-100	Goat anti-mouse Polyclonal Antibody
VAM-SV016	rSec8 Monoclonal Antibody (14G1)

Background:

rSec6 is an 87 kDa rat homolog of yeast Sec6p, a protein involved in protein transport between the Golgi apparatus and the plasma membrane². In yeast, Sec6p is part of a high molecular weight complex which includes Sec8p and Sec15p, that associates with the ras-like GTP binding protein Sec4p². An analogous 17S complex in rat brain was found to contain eight novel proteins, including rSec6 and rSec8, with a combined molecular weight of 734 kDa³. Membrane-associated rSec6/8 complex has been shown to co-immunoprecipitate with syntaxin, and is ubiquitously expressed, further evidence that this complex is involved in the mammalian exocyst complex^{1,3}.

References:

1. Kee, Y., *et al.* (1997) *Proc Natl Acad Sci USA* **94**, 14438-14443.
2. TerBush, D.R. and Novick, P. (1995) *J Cell Biol.* **130**, 299-312.
3. Hsu, S.-C., *et al.* (1996) *Neuron* **17**, 1209-1219.
4. Charron, A.J., *et al.* (2000) *J Cell Biol.* **149**, 111-124.
5. Brymora, A., *et al.* (2001) *J Biol Chem.* **276**, 29792-29797.
6. Kreitzer, G., *et al.* (2003) *Nat Cell Biol.* **5**, 126-136.