

## Mouse Monoclonal Antibody to Mouse TUG

<b>Catalogue Number</b>	sAP-0041
<b>Target Molecule</b>	<b>Name:</b> Mouse TUG <b>Aliases:</b> ASPCR1, ASPL, ASPS, RCC17, TUG, UBXD9, UBXN9 <b>MW:</b> N/A <b>Entrez Gene ID: 79058</b>
<b>Description</b>	The TUG protein contains a UBX domain, for GLUT4. In truncated form, TUG acts in a dominant-negative manner to inhibit insulin-stimulated GLUT4 redistribution in Chinese hamster ovary cells and 3T3-L1 adipocytes. Full-length TUG forms a complex specifically with GLUT4. In 3T3-L1 adipocytes, this complex is present in unstimulated cells and is largely disassembled by insulin. Endogenous TUG is localized with the insulin-mobilizable pool of GLUT4 in unstimulated 3T3-L1 adipocytes, and is not mobilized to the plasma membrane by insulin.
<b>Immunogen</b>	Purified recombinant fragment of TUG expressed in E. Coli.
<b>Reactive Species</b>	Mouse
<b>Clone</b>	MM4A11A6G11;
<b>Size and Concentration</b>	100µg/1mg/ml
<b>Supplied as</b>	Lyophilized Powder from 100µl of Purified antibody in PBS containing 0.03% sodium azide.
<b>Reconstitution/Storages</b>	Reconstituted with 100µl sterile DI H2O, at stored at 4°C or -20°C for short or long term storage
<b>Applications</b>	ELISA: 1 to 10000; WB: 1 to 500 - 1 to 2000
<b>Shipping</b>	Regular FEDEX overnight shipment (ambient temperature)
<b>Reference</b>	1. Nature 2003;425:727 - 733. ;

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**