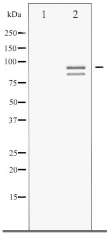
Affinity Biosciences
website:www.affbiotech.com
order:order@affbiotech.com

Phospho-Glycogen Synthase (Ser645) Ab

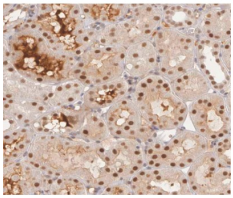
Cat.#: AF3165	Concn.: 1mg/ml	Mol.Wt.: 83,89kDa
Size: 100ul,200ul	Source: Rabbit	Clonality: Polyclonal

Application:	WB 1:500-1:2000 IHC 1:50-1:200, IF/ICC 1:100-1:500
Reactivity:	Human,Mouse,Rat
Purification:	The Ab is from purified rabbit serum by affinity purification via sequential chromatography on phospho- and non-phospho-peptide affinity columns.
Specificity:	Phospho-Glycogen Synthase (Ser645) Ab detects endogenous levels of Glycogen Synthase only when phosphorylated at Serine 645.
Immunogen:	A synthesized peptide derived from human Glycogen Synthase around the phosphorylation site of Serine 645.
Uniprot:	P13807
Description:	GYS1 muscle glycogen synthase 1. Transfers glucosyl residue from UDP-glucose to glycogen. Regulated allosterically by glucose-6-phosphate, and by PKA-mediated phosphorylation.
Similarity:	Belongs to the glycosyltransferase 3 family.
Storage Condition and Buffer:	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.Store at -20 °C.Stable for 12 months from date of receipt.

Western blot analysis of Phospho-Glycogen Synthase (Ser645) Ab expression in PMA treated NIH-3T3 cells lysates.The lane on the right is treated with the antigen-specific peptide.



Western blot analysis of Glycogen Synthase phosphorylation expression in PMA treated NIH-3T3 whole cell lysates,The lane on the left is treated with the antigen-specific peptide.



AF3165 at 1/200 staining human kidney tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the Ab for 1.5 hours at 22°C. An HRP conjugated goat anti-rabbit Ab was used as the secondary.

AF3165 staining NIH-3T3 by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100,then blocked in 10% serum for 45 minutes at 25°C. The primary Ab was diluted at 1/200 and incubated with the sample for 1 hour at 37°C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary Ab.

IMPORTANT: For western blot, incubate membrane with diluted primary Ab in 5% w/v milk , 1X TBS, 0.1% Tween®20 at 4°C with gentle shaking, overnight.