

# Phospho-IRS1 (Ser636) Polyclonal Antibody

Product Details	
Size	100 µg
Species Reactivity	Human, Mouse
Published Species	Mouse
Host/Isotope	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	Synthetic phosphopeptide corresponding to residues D(631) Y M P M (pS) P K S V S A P Q Q I(646) of human IRS-1.
Form	Liquid
Concentration	1 mg/mL
Purification	Antigen affinity chromatography
Storage buffer	PBS with 1mg/mL BSA
Contains	0.05% sodium azide
Storage Conditions	-20° C, Avoid Freeze/Thaw Cycles
RRID	AB_325023

Applications	Tested	Dilution	Published
Western Blot (WB)	✓	2 µg/mL	1 Publication

## Product Specific Information

PA1-1055 detects phospho-IRS-1 (Ser636) in mouse and human cells.

PA1-1055 has been successfully used in WB procedures. By Western blot, this antibody detects a ~170 kDa protein representing phospho-IRS-1 (Ser636) from 3T3 L1 cells treated with insulin for 10 minutes.

The PA1-1055 immunogen is a synthetic phosphopeptide corresponding to residues D(631) Y M P M (pS) P K S V S A P Q Q I (646) of human IRS-1. The peptide sequence is 100% conserved in rats, and mice. This peptide (Cat. # PEP-185) is available for use in neutralization and control experiments.

## Western Blot (1)

The Journal of biological chemistry

### The hyperglycemia-induced inflammatory response in adipocytes: the role of reactive oxygen species.

"PA1-1055 was used in western blot to study the important role for ROS production in adipocytes and the associated insulin resistance and inflammatory response"

Authors: Lin Y, Berg AH, Iyengar P, Lam TK, Giacca A, Combs TP, Rajala MW, Du X, Rollman B, Li W, Hawkins M, Barzilai N, Rhodes CJ, Fantus IG, Brownlee M, Scherer PE

**Species**  
Mouse

**Dilution**  
Not Cited

**Year**  
2005

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