

# IRS1 Polyclonal Antibody

Product Details	
Size	100 µg
Species Reactivity	Human, Mouse
Published Species	Mouse
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	Synthetic peptide corresponding to residues D(631) Y M P M S 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_325017

Applications	Tested Dilution	Publications
Western Blot (WB)	2 µg/mL	1 Publication
Immunocytochemistry (ICC/IF)	1:250	-

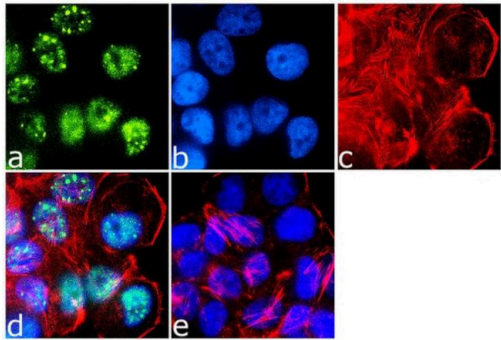
## Product Specific Information

PA1-1059 detects IRS-1 in mouse and human cells.

PA1-1059 has been successfully used in Western blot procedures. By Western blot, this antibody detects a ~170 kDa protein representing IRS-1 from 3T3 L1 cell extract.

The PA1-1059 immunogen is a synthetic peptide corresponding to residues D(631) Y M P M S P K S V S A P Q Q I(646) of human IRS-1. The peptide sequence is 100% conservation in rats, and mice. This peptide (Cat. # PEP-193) is available for use in neutralization and control experiments.

Product Images For IRS1 Polyclonal Antibody

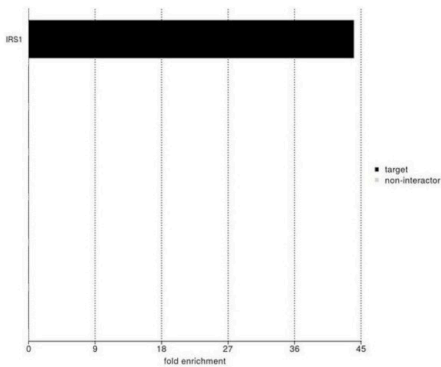


IRS1 Antibody (PA1-1059) in ICC/IF

Immunofluorescence analysis of IRS1 was done on 70% confluent log phase T-47D cells. The cells were fixed with 4% paraformaldehyde for 15 minutes, permeabilized with 0.25% Triton™ X-100 for 10 minutes, and blocked with 5% BSA for 1 hour at room temperature. The cells were labeled with IRS1 Rabbit Polyclonal Antibody (Product # PA1-1059) at 1:250 dilution in 1% BSA and incubated for 3 hours at room temperature and then labeled with Goat anti-Rabbit IgG (Heavy Chain) Superclonal™ Secondary Antibody, Alexa Fluor® 488 conjugate (Product # A27034) at a dilution of 1:2000 for 45 minutes at room temperature (Panel a: green). Nuclei (Panel b: blue) were stained with SlowFade® Gold Antifade Mountant with DAPI (Product # S36938). F-actin (Panel c: red) was stained with Rhodamine Phalloidin (Product # R415, 1:300). Panel d is a merged image showing Nuclear localization. Panel e is a no primary antibody control. The images were captured at 60X magnification.

IRS1 Antibody (PA1-1059)

IP-MS enrichment of IRS1 (LFQ intensity): IRS1 was enriched 44-fold from HCT116 lysate compared to background proteins, using the optimized IP-MS workflow with Pierce MS-Compatible Magnetic IP Kit protein A/G (Product # 90409) and IRS1 antibody (Product # PA1-1059). See more information on IP-MS verification of antibody selectivity. {IP-MS}



1 Reference

Western Blot (1)

The Journal of biological chemistry		Year 2005
The hyperglycemia-induced inflammatory response in adipocytes: the role of reactive oxygen species.		
"PA1-1059 was used in western blot to study the important role for ROS production in adipocytes and the associated insulin resistance and inflammatory response"		Species Mouse
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		

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