

À des fins de recherche uniquement

# Anticorps Polyclonal de lapin anti-IRS1



Numéro de catalogue: 17509-1-AP

Phare

49 Publications

## Informations de base

Numéro de catalogue:  
17509-1-AP

Taille:  
150ul, Concentration: 500 µg/ml by Nanodrop and 300 µg/ml by Bradford method using BSA as the standard;

Hôte:  
Lapin

Isotype:  
IgG

Immunogen Catalog Number:  
AG11714

Numéro d'acquisition GenBank:  
BC053895

Identification du gène (NCBI):  
3667

Nom complet:  
insulin receptor substrate 1

MW calculé  
1242 aa, 132 kDa

MW observés:  
160-185 kDa

Méthode de purification:  
Purification par affinité contre l'antigène

Dilutions recommandées:  
WB 1:500-1:2000  
IP 0.5-4.0 ug par IP and 1:500-1:2000 for WB  
IHC 1:20-1:200  
IF 1:20-1:200

## Applications

Applications testées:  
FC, IF, IHC, IP, WB, ELISA

Demandes citées:  
Dot blot, IF, IHC, WB

Spécificité de l'espèce:  
Humain

Espèces citées:  
Humain, porc, rat, souris, Megalobrama Amblycephala

**Remarque-IHC: il est suggéré de démasquer l'antigène avec un tampon de TE buffer pH 9,0; (\*) À défaut, 'le démasquage de l'antigène peut être 'effectué avec un tampon citrate pH 6,0.**

Contrôles positifs:

WB : cellules A549, cellules A431, cellules HEK-293, cellules PC-3

IP : cellules A549,

IHC : tissu de cancer du sein humain, tissu hépatique humain

IF : cellules A549,

## Informations générales

Ins receptor substrate 1 (IRS1) was the first cloned and characterized member of the IRS family which are involved in ins receptor (IR) and ins-like growth factor I receptor (IGF-IR) signaling. IRS1 is phosphorylated by ins receptor tyrosine kinase and is involved in various cellular processes including DNA repair fidelity, transcriptional activity, and cell growth can support tumor development and progression. Mutations in this gene are associated with type II diabetes and susceptibility to ins resistance. IRS1 has a predicted molecular weight of 132 kDa, however, as a result of its extensive serine phosphorylation it separates on a SDS gel as a band of approximately 160-185 kDa.

## Publications notables

Autrice	Pubmed ID	Journal	Application
Yang Liu	36149580	Cell Stress Chaperones	WB
Hiroshi Senoo	34551282	Mol Cell	WB
Takashi Hara	36130217	Biosci Biotechnol Biochem	WB

## Stockage

Stockage:  
Stocker à -20°C. Stable pendant un an après l'expédition.

Tampon de stockage:  
PBS avec azoture de sodium à 0,02 % et glycérol à 50 % pH 7,3  
L'aliquotage n'est pas nécessaire pour le stockage à -20C

\*\*\* Les 20ul contiennent 0,1% de BSA.

For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

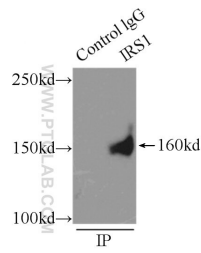
E: proteintech@ptglab.com  
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

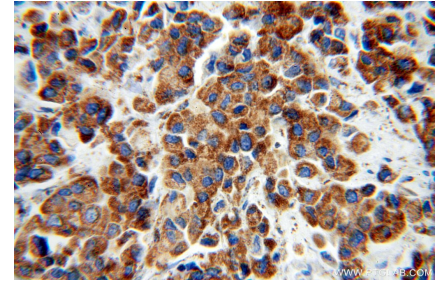
## Données de validation sélectionnées



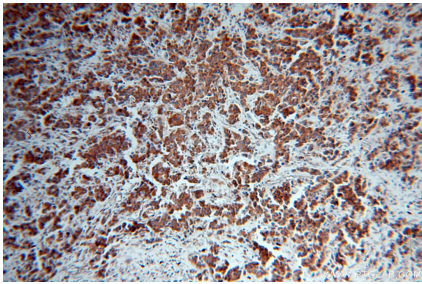
A549 cells were subjected to SDS PAGE followed by western blot with 17509-1-AP (IRS1 antibody) at dilution of 1:400 incubated at room temperature for 1.5 hours.



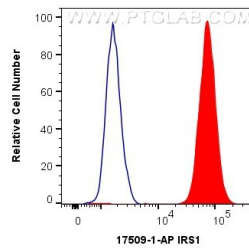
IP Result of anti-IRS1 (IP:17509-1-AP, 5ug; Detection:17509-1-AP 1:1000) with A549 cells lysate 3500ug.



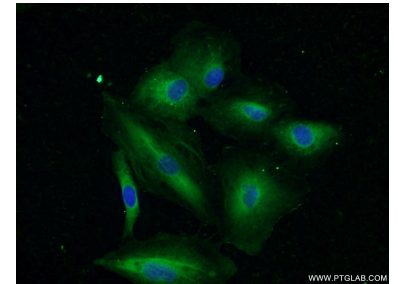
Immunohistochemical analysis of paraffin-embedded human breast cancer using 17509-1-AP (IRS1 antibody) at dilution of 1:100 (under 40x lens).



Immunohistochemical analysis of paraffin-embedded human breast cancer using 17509-1-AP (IRS1 antibody) at dilution of 1:100 (under 10x lens).



$1 \times 10^6$  MCF-7 cells were intracellularly stained with 0.4 ug Anti-Human IRS1 (17509-1-AP) and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Isotype Control. Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).



Immunofluorescent analysis of A549 cells using 17509-1-AP (IRS1 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).