

# Phospho-IRS1-S307(Human Specific) Rabbit pAb

Catalog No.: AP0552

14 Publications

## Basic Information

### Observed MW

180kDa

### Calculated MW

132kDa

### Category

Primary antibody

### Applications

WB, IHC-P, ELISA

### Cross-Reactivity

Human, Mouse, Rat

## Background

This gene encodes a protein which is phosphorylated by insulin receptor tyrosine kinase. Mutations in this gene are associated with type II diabetes and susceptibility to insulin resistance.

## Recommended Dilutions

**WB** 1:500 - 1:1000

**IHC-P** 1:1000 - 1:5000

**ELISA** Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

## Immunogen Information

### Gene ID

3667

### Swiss Prot

P35568

### Immunogen

Synthetic peptide. This information is considered to be commercially sensitive.

### Synonyms

HIRS-1; Phospho-IRS1-S307(Human Specific)

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

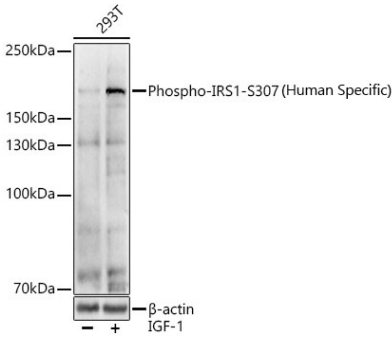
Affinity purification

### Storage

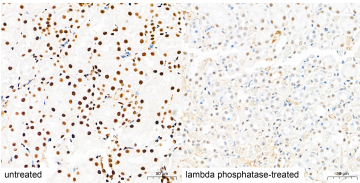
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS containing 50% glycerol, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

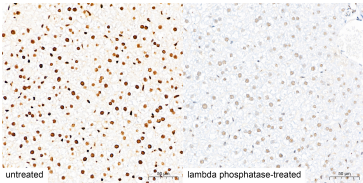
## Validation Data



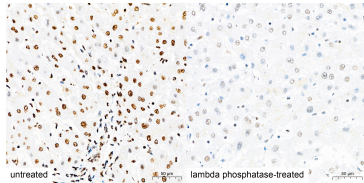
Western blot analysis of various lysates using Phospho-IRS1-S307(Human Specific) Rabbit pAb (AP0552) at 1:1000 dilution. 293T cells were treated with IGF-1 (50 ng/ml) at 37°C for 5 minutes after serum-starvation overnight.  
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
Lysates/proteins: 25µg per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.  
Detection: ECL Basic Kit (RM00020).  
Exposure time: 30s.



Immunohistochemistry analysis of paraffin-embedded Rat kidney tissue using Phospho-IRS1-S307(Human Specific) Rabbit pAb (AP0552) at a dilution of 1:1600 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer(pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Mouse liver tissue using Phospho-IRS1-S307(Human Specific) Rabbit pAb (AP0552) at a dilution of 1:1600 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer(pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Human liver tissue using Phospho-IRS1-S307(Human Specific) Rabbit pAb (AP0552) at a dilution of 1:1600 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer(pH 6.0) prior to IHC staining.