

Anti- IRS-1 (Phospho-Ser1101) Polyclonal Antibody



<u>Catalog No.</u>	<u>Size</u>
A100059-01	50 µl
A100059-02	100 µl

Specificity	Anti-IRS-1 (Phospho-Ser1101) (Human Mouse Rat)
Source	Rabbit Polyclonal
Application	WB ELISA IHC
Form	Liquid, 1 mg/ml

Specificity and Sensitivity

Swiss-Prot No.: P35568

Other Names: IRS-1, IRS1, Insulin receptor substrate-1

Specificity and Sensitivity

IRS-1 (Phospho-Ser1101) antibody detects endogenous levels of IRS-1 only when phosphorylated at serine 1101.

Source and Purification

The antiserum was produced against synthesized phosphopeptide derived from human IRS-1 around the phosphorylation site of serine 1101 (H-S-S^P-E-T).

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

Application Notes

Optimal working dilutions should be determined experimentally by the investigator. Suggested starting dilutions are as follows:

WB: 1:500~1:3000 IHC: 1:50~1:100

ELISA: 1:5000

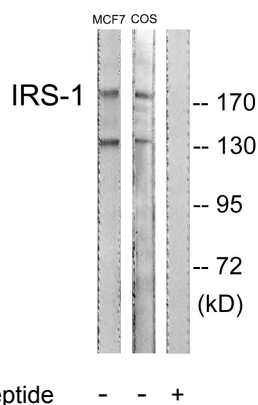
Storage Buffer

Rabbit IgG in phosphate buffered saline (without Mg²⁺ and Ca²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

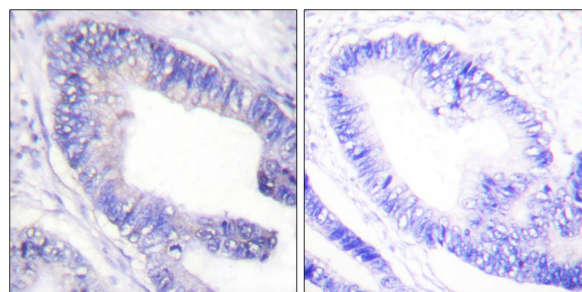
Storage Instructions

Stable for 1 year at -20°C from date of shipment. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap. Aliquot to avoid repeated freezing and thawing. Aliquot will be stable at 4°C for 3 months.

Images



Western blot analysis of extracts from MCF7 cells treated with IGF-2, and COS7 cells treated with Insulin, using IRS-1 (Phospho-Ser1101) antibody.



Immunohistochemical analysis of paraffin-embedded human colon carcinoma tissue, using IRS-1 (Phospho-Ser1101) antibody.