

Datasheet for ABIN7302992
anti-IRS1 antibody (pSer312)



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2 Images

Overview

Quantity:	100 µL
Target:	IRS1
Binding Specificity:	pSer312
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This IRS1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunoprecipitation (IP), Immunochromatography (IC)

Product Details

Immunogen:	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human IRS1.
Specificity:	Recognizes endogenous levels of IRS1 (pS312) protein.
Characteristics:	Rabbit polyclonal antibody to IRS1 (pS312)
Purification:	The antibody was purified by affinity chromatography.

Target Details

Target:	IRS1
Alternative Name:	IRS1 (IRS1 Products)

Target Details

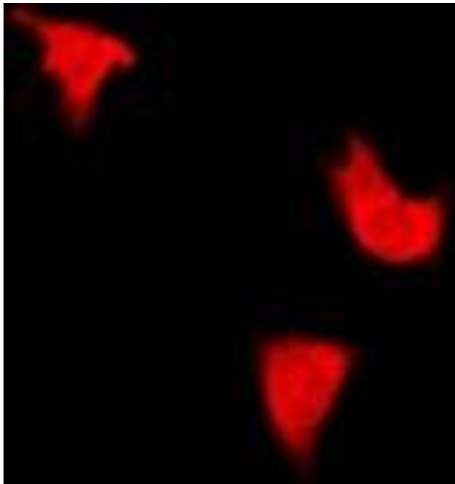
Background:	Insulin receptor substrate 1, IRS-1
Gene ID:	3667, 16367, 25467
UniProt:	P35568 , P35569 , P35570
Pathways:	Fc-epsilon Receptor Signaling Pathway , EGFR Signaling Pathway , Neurotrophin Signaling Pathway , Positive Regulation of Peptide Hormone Secretion , Hormone Transport , Negative Regulation of Hormone Secretion , Response to Growth Hormone Stimulus , Carbohydrate Homeostasis , Regulation of Carbohydrate Metabolic Process

Application Details

Application Notes:	WB (1:500 - 1:1000), IF/IC (1:100 - 1:500), IP (1:10 - 1:100)
Restrictions:	For Research Use only

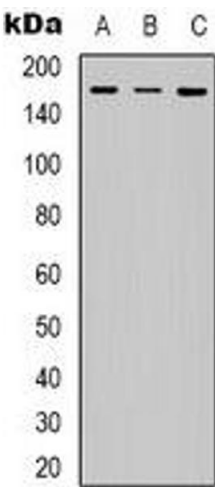
Handling

Format:	Liquid
Buffer:	Liquid in PBS, pH 7.3, 0.2 % BSA, and 0.02 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Shipped at 4°C. Upon delivery aliquot and store at -20°C for one year. Avoid freeze/thaw cycles.
Expiry Date:	12 months



Immunofluorescence

Image 1. Immunofluorescent analysis of IRS1 (pS312) staining in HepG2 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary a



Western Blotting

Image 2. Western blot analysis of IRS1 (pS312) expression in HepG2 (A), HeLa (B), mouse spleen (C) whole cell lysates.