

Datasheet for ABIN7296034
anti-IRS1 antibody (pSer307)



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2 Images

Overview

Quantity:	100 µL
Target:	IRS1
Binding Specificity:	pSer307
Reactivity:	Human, Mouse, Rat, Monkey, Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This IRS1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human IRS1.
Specificity:	Recognizes endogenous levels of IRS1 (pS307) protein.
Characteristics:	Rabbit polyclonal antibody to IRS1 (pS307)
Purification:	The antibody was purified by immunogen affinity chromatography.

Target Details

Target:	IRS1
Alternative Name:	IRS1 (IRS1 Products)
Background:	Insulin receptor substrate 1, IRS-1

Target Details

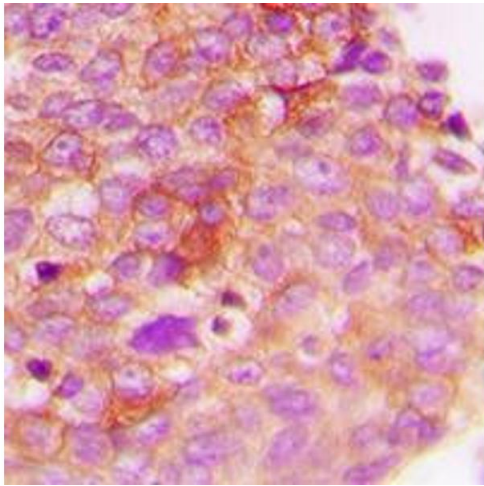
Gene ID:	3667, 16367, 25467
UniProt:	P35568 , P35569 , P35570
Pathways:	Fc-epsilon Receptor Signaling Pathway , EGFR Signaling Pathway , Neurotrophin Signaling Pathway , Positive Regulation of Peptide Hormone Secretion , Hormone Transport , Negative Regulation of Hormone Secretion , Response to Growth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

Application Details

Application Notes:	WB (1:500 - 1:1000), IH (1:100 - 1:200)
Restrictions:	For Research Use only

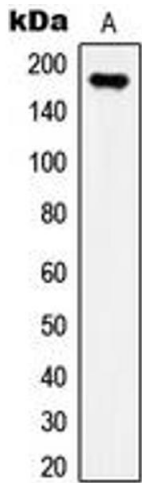
Handling

Format:	Liquid
Buffer:	Liquid in 0.42 % Potassium phosphate, 0.87 % Sodium chloride, pH 7.3, 30 % glycerol, and 0.01 % 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



Immunohistochemistry

Image 1. Immunohistochemical analysis of IRS1 (pS307) staining in human breast cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Western Blotting

Image 2. Western blot analysis of IRS1 (pS307) expression in HEK293T insulin-treated (A) whole cell lysates.