

Datasheet for ABIN392217
anti-IRS2 antibody (C-Term)[Go to Product page](#)

4 Images

Overview

Quantity:	400 µL
Target:	IRS2
Binding Specificity:	AA 1309-1338, C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This IRS2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (IF)

Product Details

Immunogen:	This IRS2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1309-1338 amino acids from the C-terminal region of human IRS2.
Clone:	RB15641
Isotype:	Ig Fraction
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Target Details

Target:	IRS2
Alternative Name:	IRS2 (IRS2 Products)

Target Details

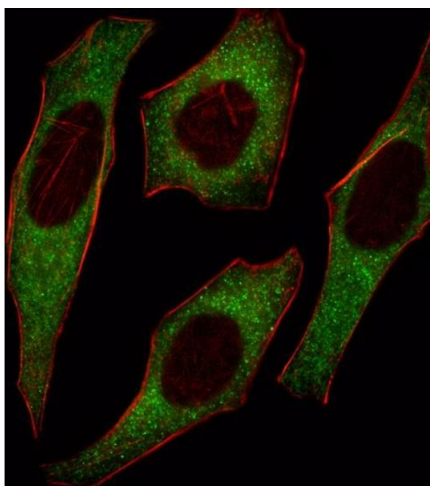
Background:	Insulin receptor substrate 2, a cytoplasmic signaling molecule that mediates effects of insulin, insulin-like growth factor 1, and other cytokines by acting as a molecular adaptor between diverse receptor tyrosine kinases and downstream effectors. This protein is phosphorylated by the insulin receptor tyrosine kinase upon receptor stimulation, as well as by an interleukin 4 receptor-associated kinase in response to IL4 treatment.
Gene ID:	8660
NCBI Accession:	NP_003740
UniProt:	Q9Y4H2
Pathways:	Fc-epsilon Receptor Signaling Pathway , EGFR Signaling Pathway , Neurotrophin Signaling Pathway , Positive Regulation of Peptide Hormone Secretion , Response to Growth Hormone Stimulus , Carbohydrate Homeostasis , Regulation of Carbohydrate Metabolic Process

Application Details

Application Notes:	IF: 1:10~50. WB: 1:1000. WB: 1:1000. IHC-P: 1:50~100
Restrictions:	For Research Use only

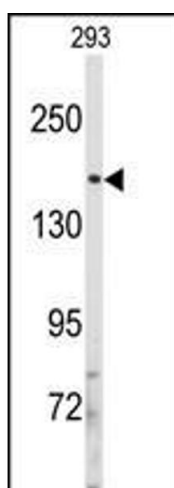
Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) 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:	4 °C,-20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months



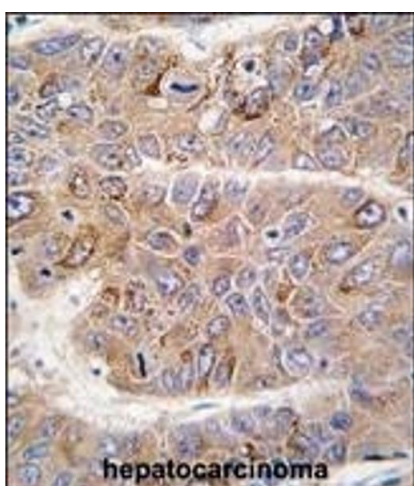
Immunofluorescence

Image 1. Fluorescent image of HeLa cell stained with IRS2 Antibody (C-term) (ABIN392217 and ABIN2841913). HeLa cells were fixed with 4 % PFA (20 min), permeabilized with Triton X-100 (0.1 %, 10 min), then incubated with IRS2 primary antibody (1:25, 1 h at 37 °C). For secondary antibody, Alexa Fluor® 488 conjugated donkey anti-rabbit antibody (green) was used (1:400, 50 min at 37 °C). Cytoplasmic actin was counterstained with Alexa Fluor® 555 (red) conjugated Phalloidin (7 units/mL, 1 h at 37 °C). IRS2 immunoreactivity is localized to Cytoplasm significantly.



Western Blotting

Image 2. Western blot analysis of anti-IRS2 Antibody (C-term) (ABIN392217 and ABIN2841913) in 293 cell line lysates (35 µg/lane). IRS2 (arrow) was detected using the purified Pab.



Immunohistochemistry (Paraffin-embedded Sections)

Image 3. Formalin-fixed and paraffin-embedded human hepatocarcinoma tissue reacted with IRS2 antibody (C-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry, clinical relevance has not been evaluated.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN392217.