

Datasheet for ABIN742782

anti-IRS1 antibody (pSer636, pSer639) (Cy5)



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Overview

Quantity:	100 µL
Target:	IRS1
Binding Specificity:	pSer636, pSer639
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This IRS1 antibody is conjugated to Cy5
Application:	Western Blotting (WB), Flow Cytometry (FACS)

Product Details

Immunogen:	KLH conjugated synthetic phosphopeptide derived from human IRS1 around the phosphorylation site of Ser636/639 [PM(p-S)PK(p-S)VS]
Isotype:	IgG
Specificity:	This phosphorylation site is homologous to Ser632 + ser635 in Mouse and Rat IRS1. This protein is known to be highly conserved in this sequences region, thus , this antibody may react with IRS2 when phosphorylated at Ser679 + Ser682 in Human , Ser675 + Ser678 in Mouse, and Ser676 +Ser679 in Rat based on homology.
Cross-Reactivity:	Human, Mouse, Rat
Predicted Reactivity:	Dog,Cow,Pig,Horse,Rabbit
Purification:	Purified by Protein A.

Target Details

Target:	IRS1
Alternative Name:	IRS1 + (IRS1 Products)
Background:	Synonyms: HIRS-1, Insulin receptor substrate 1, IRS-1, IRS1 Background: May mediate the control of various cellular processes by insulin. When phosphorylated by the insulin receptor binds specifically to various cellular proteins containing SH2 domains such as phosphatidylinositol 3-kinase p85 subunit or GRB2. Activates phosphatidylinositol 3-kinase when bound to the regulatory p85 subunit (By similarity).
Gene ID:	3667
UniProt:	P35568
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:	FCM 1:20-100
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.
Expiry Date:	12 months