

## IRS-1(Phospho-Ser312) Conjugated Antibody

Catalog No: #C11143



Package Size: #C11143-AF350 100ul #C11143-AF405 100ul #C11143-AF488 100ul  
 #C11143-AF555 100ul #C11143-AF594 100ul #C11143-AF647 100ul  
 #C11143-AF680 100ul #C11143-AF750 100ul #C11143-Biotin 100ul

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## Description

Product Name	IRS-1(Phospho-Ser312) Conjugated Antibody
Host Species	Rabbit
Clonality	Polyclonal
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous levels of IRS-1 only when phosphorylated at serine 312.
Immunogen Description	Peptide sequence around phosphorylation site of serine 312 (A-T-S(p)-P-A) derived from Human IRS-1.
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	HIRS-1;IRS1;Insulin receptor substrate 1
Accession No.	Swiss-Prot#:P35568 NCBI Gene ID:3667NCBI mRNA#:NM_005544.2NCBI Protein#:NP_005535.1 ?
Uniprot	P35568
GeneID	3667;
Excitation Emission	AF350: 346nm/442nm AF405: 401nm/421nm AF488: 493nm/519nm AF555: 555nm/565nm AF594: 591nm/614nm AF647: 651nm/667nm AF680: 679nm/702nm AF750: 749nm/775nm
Calculated MW	180
Formulation	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Storage	Store at 4°C in dark for 6 months

## Application Details

## Suggested Dilution:

AF350 conjugated: most applications: 1: 50 - 1: 250  
 AF405 conjugated: most applications: 1: 50 - 1: 250  
 AF488 conjugated: most applications: 1: 50 - 1: 250  
 AF555 conjugated: most applications: 1: 50 - 1: 250  
 AF594 conjugated: most applications: 1: 50 - 1: 250  
 AF647 conjugated: most applications: 1: 50 - 1: 250  
 AF680 conjugated: most applications: 1: 50 - 1: 250  
 AF750 conjugated: most applications: 1: 50 - 1: 250

## Product Description

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Antibodies were produced by immunizing rabbits with synthetic peptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific peptide.

## Background

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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

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Note: This product is for in vitro research use only