antibodies -online.com





anti-IRS4 antibody (AA 633-647)





Publication



Go to Product page

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Quantity:	100 μg
Target:	IRS4
Binding Specificity:	AA 633-647
Reactivity:	Mouse
Host:	Goat
Clonality:	Polyclonal
Conjugate:	This IRS4 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF)

Product Details

Purpose:	Irs4 (mouse aa633-647)
Sequence:	DRGTKERKEA KEVRD
Isotype:	IgG
Cross-Reactivity:	Mouse, Rat
Purification:	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Grade:	Verified

Target Details

Target: IRS4

Target Details

Alternative Name:	Irs4 (IRS4 Products)
Background:	Irs4, insulin receptor substrate 4, IRS-4, RP23-415G1.3, phosphoprotein of 160 kDa, pp160
Gene ID:	16370, 315350
NCBI Accession:	NP_034702

Application Details	
Application Notes:	Western Blot: Approx 150 kDa band observed in Mouse Heart lysates (calculated MW of
	130 kDa according to NP_034702.2). The observed molecular weight corresponds to earlier
	findings in literature with different antibodies (Schreyer et al, jEndocrinology. 20
	Peptide ELISA: antibody detection limit dilution 1:128000.
Comment:	Immunofluorescence: This product has been successfully used in IF on Mouse: Harriet M
	Jackson et al, BMC Genomics. 2013 Nov 25,14:831. PMID: 24274089.
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Concentration:	0.5 mg/mL
Buffer:	Supplied at 0.5 mg/mL in Tris saline, 0.02 % sodium azide, pH 7.3 with 0.5 % bovine serum albumin.

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Buffer:	Supplied at 0.5 mg/mL in Tris saline, 0.02 % sodium azide, pH 7.3 with 0.5 % bovine serum albumin.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Minimize freezing and thawing.
Storage:	-20 °C
Storage Comment:	Aliquot and store at -20°C, with minimal freeze/thawing. A working aliquot may be refrigerated at 4°C for a few weeks and still remain viable.

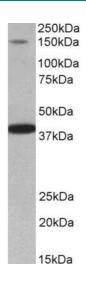
Publications

Product cited in:

Ikink, Boer, Bakker, Hilkens: "IRS4 induces mammary tumorigenesis and confers resistance to HER2-targeted therapy through constitutive PI3K/AKT-pathway hyperactivation." in: **Nature**

communications, Vol. 7, pp. 13567, (2018) (PubMed).

Images



Western Blotting

Image 1. ABIN5539610 ($0.2\mu g/ml$) staining of Mouse Heart lysate ($35\mu g$ protein in RIPA buffer). Detected by chemiluminescence.