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Telephone: (650) 697-3600

## **GOAT ANTI-IRS4 (MOUSE AA633-647) ANTIBODY**

**SKU:** EB11828





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250kDa 150kDa

100kDa 75kDa

50kDa

37kDa

25kDa

20kDa

15kDa





## **SPECIFICATIONS**

Formulation Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.

**Unit Size** 100 μg

Storage

Instructions Aliquot and store at -20°C. Minimize freezing and thawing.

Synonym /

RP23-415G1.3|pp160|phosphoprotein of 160 kDa|IRS-4|Irs4|insulin receptor substrate 4

Alias Names

<strong>Immunofluorescence:</strong> This product has been successfully used in IF on Mouse: Harriet M Usage

Jackson et al, BMC Genomics. 2013 Nov 25;14:831. PMID: 24274089. Summary

Accession

NP\_034702.2

**Blocking** 

ID

**Peptide** 

EBP11828

Peptide with sequence C-DRGTKERKEAKEVRD, from the internal region of the protein sequence according to **Immunogen** 

NP 034702.2.

**Peptide** 

Sequence

C-DRGTKERKEAKEVRD

Purification Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography

Method using the immunizing peptide.

Shipping

Instructions

Refrigerated

**Predicted** 

**Species** 

Mouse, Rat

Reactive

Mouse **Species** 

Mouse

16370

Gene ID

**Rat Gene ID** 315350

**Product** 

https://prod-vector-labs-pimcore-assets.s3.us-east-1.amazonaws.com/assets/products/image/elite\_medium.png **Grade** 

**ELISA** 

**Detection** Antibody detection limit dilution 1:128000.

Limit

Approx 150kDa band observed in Mouse Heart lysates (calculated MW of 130kDa according to NP 034702.2). The observed molecular weight corresponds to earlier findings in literature with different antibodies (Schreyer et al, jEndocrinology. 2003 Apr;144(4):1211-8. PMID: 12639902). Recommended concentration: 0.2-0.6µg/ml. Primary incubation was 1 hour. An additional band of unknown identity was also consistently observed at

~39kDa. This band was successfully blocked by incubation with the immunizing peptide. This product has been

successfully used in WB on Mouse: Ikink GJ et al, Nat Commun. 2016 Nov 23;7:13567. PMID: 27876799.

**Application** 

Western

Blot

**Type** 

Pep-ELISA, WB, IF





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## **SELECTED REFERENCES**

[{"pmid": 24274089, "intro": "This antibody has been successfully used in IF on Mouse:", "title": "Clustering of transcriptional profiles identifies changes to insulin signaling as an early event in a mouse model of Alzheimer's disease", "author": "Harriet M Jackson, Ileana Soto, Leah C Graham, Gregory W Carter and Gareth R Howel.", "journal": "BMC Genomics. 2013 Nov 25;14:831. "}, {"pmid": 27876799, "intro": "This antibody has been successfully used in Western blot on Mouse:", "title": "IRS4 induces mammary tumorigenesis and confers resistance to HER2-targeted therapy through constitutive PI3K/AKT-pathway hyperactivation", "author": "Ikink GJ, Boer M, Bakker ER, Hilkens J", "journal": "Nat Commun. 2016 Nov 23;7:13567"}]

## **GALLERY IMAGES**



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