

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

**SKU:** EB11828



250kDa  
150kDa  
100kDa  
75kDa  
50kDa  
37kDa  
25kDa  
20kDa  
15kDa

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## SPECIFICATIONS

<b>Formulation</b>	Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.
<b>Unit Size</b>	100 µg
<b>Storage</b>	Aliquot and store at -20°C. Minimize freezing and thawing.
<b>Instructions</b>	
<b>Synonym /</b>	
<b>Alias</b>	RP23-415G1.3 pp160 phosphoprotein of 160 kDa IRS-4 Irs4 insulin receptor substrate 4
<b>Names</b>	
<b>Usage</b>	<strong>Immunofluorescence:</strong> This product has been successfully used in IF on Mouse: Harriet M
<b>Summary</b>	Jackson et al, BMC Genomics. 2013 Nov 25;14:831. PMID: 24274089.
<b>Accession ID</b>	NP_034702.2
<b>Blocking Peptide</b>	EBP11828
<b>Immunogen</b>	Peptide with sequence C-DRGKTKERKEAKEVRD, from the internal region of the protein sequence according to NP_034702.2.
<b>Peptide Sequence</b>	C-DRGKTKERKEAKEVRD
<b>Purification Method</b>	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
<b>Shipping Instructions</b>	Refrigerated
<b>Predicted Species</b>	Mouse, Rat
<b>Reactive Species</b>	Mouse
<b>Mouse Gene ID</b>	16370
<b>Rat Gene ID</b>	315350
<b>Product Grade</b>	<a href="https://prod-vector-labs-pimcore-assets.s3.us-east-1.amazonaws.com/assets/products/image/elite_medium.png">https://prod-vector-labs-pimcore-assets.s3.us-east-1.amazonaws.com/assets/products/image/elite_medium.png</a>
<b>ELISA Detection Limit</b>	Antibody detection limit dilution 1:128000.
<b>Western Blot</b>	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.
<b>Application Type</b>	Pep-ELISA, WB, IF

## 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"}]

## DOCUMENTS

- [Data Sheet](#)

## GALLERY IMAGES



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