

## Product Datasheet

# IRS1 (Phospho-S307) Rabbit Polyclonal Antibody (orb393085)

<b>Catalog Number</b>	orb393085
<b>Category</b>	Antibodies
<b>Description</b>	The IRS1 (Phospho-S307) Antibody is suitable for IF, IHC, WB. It is a Polyclonal, Unconjugated antibody which raised against KLH-conjugated synthetic phosphopeptide corresponding to residues surrounding S307 of human IRS1 protein. The exact sequence is proprietary. Purification: The antibody was purified by immunogen affinity chromatography.
<b>Target</b>	IRS1
<b>Clonality</b>	Polyclonal
<b>Species/Host</b>	Rabbit
<b>Conjugation</b>	Unconjugated
<b>Reactivity</b>	Human, Monkey, Mouse, Rat
<b>Form/Appearance</b>	Liquid
<b>Buffer/Preservatives</b>	0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
<b>Purification</b>	The antibody was purified by immunogen affinity chromatography.
<b>Immunogen</b>	KLH-conjugated synthetic phosphopeptide corresponding to residues surrounding S307 of human IRS1 protein. The exact sequence is proprietary.
<b>UniProt ID</b>	<b>P35570, P35569, P35568</b>
<b>Tested applications</b>	IF, IHC, WB

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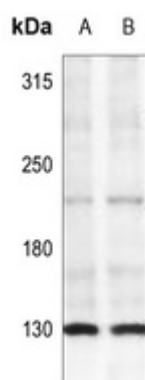
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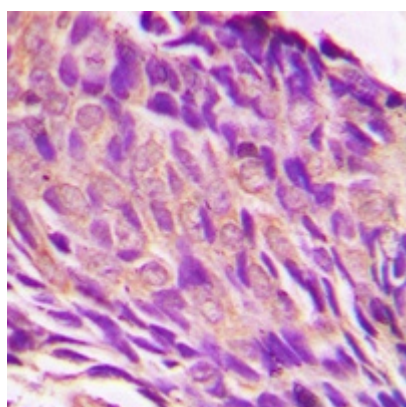
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<b>Dilution range</b>	WB: 1:500:1000, IHC-P: 1:100:200, IF/ICC: 1:100:500
<b>Specificity</b>	Recognizes endogenous levels of IRS1 protein only when phosphorylated at S307.
<b>Antibody Type</b>	Primary Antibody
<b>Storage</b>	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
<b>Note</b>	For research use only
<b>Entrez</b>	<b>3667, 16367, 25467</b>
<b>Expiration Date</b>	12 months from date of receipt.



Western blot analysis of IRS1 (Phospho-S307) expression in HEK293T (A), A375 (B) whole cell lysates. (Predicted band size: 131 kD; Observed band size: 130 kD)



Immunohistochemical analysis of IRS1 (Phospho-S307) staining in human prostate cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (Phospho-H 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

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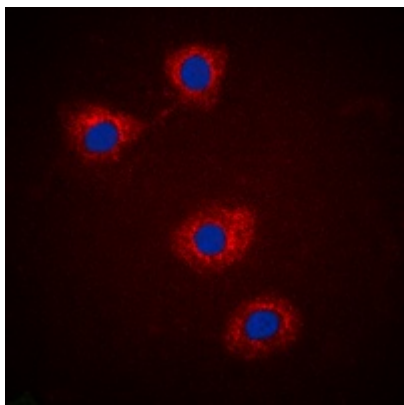
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Immunofluorescent analysis of IRS1 (Phospho-S307) staining in HEK293T cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark. DAPI was used to stain the cell nuclei (blue).

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