

Anti-Insulin Receptor (Phospho-Y1355) Antibody

Catalog #	Source	Reactivity	Applications
CPA4440	Rabbit	H, M, R, Mk	WB, IH, IF/IC
Description	Rabbit polyclonal antibody to Insulin Receptor (Phospho-Y1355)		
Immunogen	KLH-conjugated synthetic phosphopeptide corresponding to residues surrounding Y1355 of human Insulin Receptor protein. The exact sequence is proprietary.		
Purification	The antibody was purified by immunogen affinity chromatography.		
Specificity	Recognizes endogenous levels of Insulin Receptor protein only when phosphorylated at Y1355.		
Clonality	Polyclonal		
Conjugation			
Form	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.		
Dilution	WB (1/500 - 1/1000), IH (1/50 - 1/100), IF/IC (1/50 - 1/200)		
Gene Symbol	INSR		
Alternative Names	Insulin receptor; IR; CD220		
Entrez Gene	3643 (Human); 16337 (Mouse)		
SwissProt	P06213 (Human); P15208 (Mouse); P15127 (Rat)		
Storage/Stability	Shipped at 4°C. Upon delivery aliquot and store at -20°C for one year. Avoid freeze/thaw cycles.		

Application key: E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, CHIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference

Species reactivity key: H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

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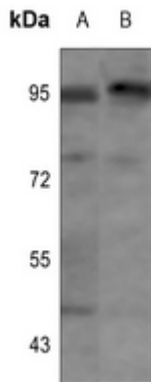
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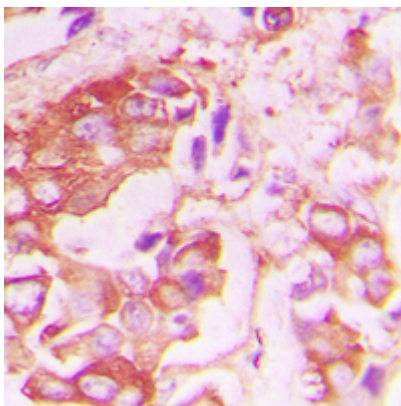
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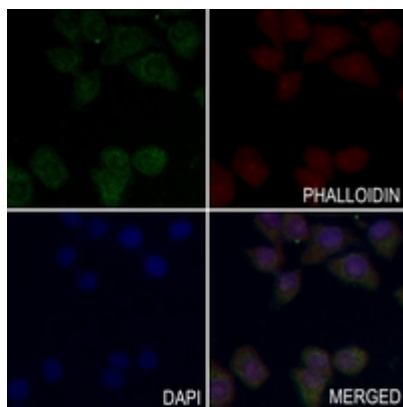
Product Data Sheet



Western blot analysis of Insulin Receptor (Phospho-Y1355) expression in mouse muscle (A), rat muscle (B) whole cell lysates. (Predicted band size: 156 kD; Observed band size: 95 kD)



Immunohistochemical analysis of Insulin Receptor (Phospho-Y1355) staining in human lung cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 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.



Immunofluorescent analysis of Insulin Receptor (Phospho-Y1355) staining in LO2 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 AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AF594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).

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