



# IRS-1 (phospho Tyr896) rabbit pAb

Cat No.:ES5926

For research use only

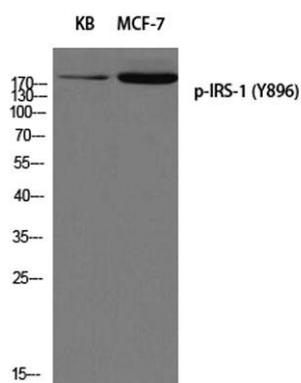
## Overview

|                                 |  |
|---------------------------------|--|
| <b>Product Name</b>             | IRS-1 (phospho Tyr896) rabbit pAb  |
| <b>Host species</b>             | Rabbit   |
| <b>Applications</b>             | WB;IHC   |
| <b>Species Cross-Reactivity</b> | Human;Mouse;Rat  |
| <b>Recommended dilutions</b>    | WB 1:500-2000;IHC-p 1:50-300   |
| <b>Immunogen</b>                | The antiserum was produced against synthesized peptide derived from human IRS-1 around the phosphorylation site of Tyr896. AA range:862-911  |
| <b>Specificity</b>              | Phospho-IRS-1 (Y896) Polyclonal Antibody detects endogenous levels of IRS-1 protein only when phosphorylated at Y896.  |
| <b>Formulation</b>              | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.  |
| <b>Storage</b>                  | Store at -20°C. Avoid repeated freeze-thaw cycles.   |
| <b>Protein Name</b>             | Insulin receptor substrate 1   |
| <b>Gene Name</b>                | IRS1   |
| <b>Cellular localization</b>    | nucleus,cytoplasm,cytosol,plasma membrane,insulin receptor complex,caveola,intracellular membrane-bounded organelle,   |
| <b>Purification</b>             | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.  |
| <b>Clonality</b>                | Polyclonal   |
| <b>Concentration</b>            | 1 mg/ml  |
| <b>Observed band</b>            | 170kD  |
| <b>Human Gene ID</b>            | 3667   |
| <b>Human Swiss-Prot Number</b>  | P35568   |
| <b>Alternative Names</b>        | IRS1; Insulin receptor substrate 1; IRS-1  |
| <b>Background</b>               | This gene encodes a protein which is phosphorylated by insulin receptor tyrosine kinase. Mutations in this gene are associated with type II diabetes and susceptibility to insulin resistance. |

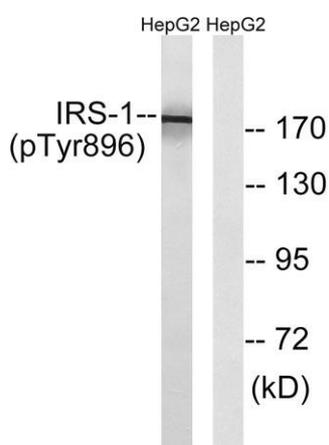




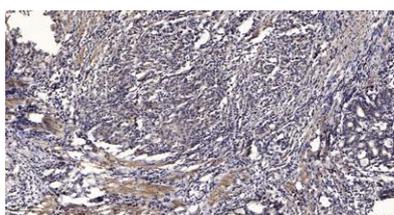
[provided by RefSeq, Nov 2009],



Western blot analysis of KB MCF-7 using p-IRS-1 (Y896) antibody. Antibody was diluted at 1:500



Western blot analysis of lysates from HepG2 cells treated with Na<sub>3</sub>VO<sub>4</sub> 0.3mM 40', using IRS-1 (Phospho-Tyr896) Antibody. The lane on the right is blocked with the phospho peptide.



Immunohistochemical analysis of paraffin-embedded human Gastric adenocarcinoma. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).

