



IRS-1 (Phospho-Ser612) Antibody

E11-0447A

Catalog Number: E11-0447A

Concentration: 1mg/ml

Swiss-Prot No.: P35568

Other Names: IRS-1, IRS1, Insulin receptor substrate-1

All Sites: Human: Ser616; Mouse: Ser612; Rat: Ser612

Storage/Stability: Store at -20°C/1 year

Form of Antibody: Rabbit IgG in phosphate buffered saline (without Mg^{2+} and Ca^{2+}), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

Immunogen: The antiserum was produced against synthesized phosphopeptide derived from human IRS-1 around the phosphorylation site of serine 612 (P-M-S^P-P-G).

Purification: The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific phosphopeptide. The antibody against non-phosphopeptide was removed by chromatography using non-phosphopeptide corresponding to the phosphorylation site.

Specificity: IRS-1 (Phospho-Ser612) antibody detects endogenous levels of IRS-1 only when phosphorylated at serine 612.

Reactivity: Human, Mouse, Rat

Applications: WB: 1:500~1:1000 IHC: 1:50~1:100 ELISA: 1:5000

References:

XJ Sun, J. Biol. Chem., Nov 1992; 267: 22662 - 22672.

Laurent Delahaye, Endocrinology, Dec 1998; 139: 4911.

Angela M. Valverde, Mol. Cell. Biol., Apr 2001; 21: 2269 - 2280.

Xiao Jian Sun, J. Biol. Chem., May 1996; 271: 10583.

