

IRS-4 Antibody

Subcategory: Rabbit Polyclonal Antibody

Cat. No.: 250729

Unit: 0.1 mg

Description:

The family of insulin receptor substrates (IRS) has been reported to play an important role for signal transduction of various hormones. Four members of the IRS family have been described. Each IRS is believed to have different functions although the distinct physiological roles of each IRS are unclear. IRS-4 encodes the insulin receptor substrate 4, a cytoplasmic protein that contains many potential tyrosine and serine/threonine phosphorylation sites. Tyrosine-phosphorylated IRS-4 interacts with cytoplasmic signaling molecules that contain SH2 domains such as IGF1R and FGFR1. IRS-4 is phosphorylated by the insulin receptor tyrosine kinase upon receptor stimulation. IRS-4 is involved in the proliferation and differentiation of hepatoblastoma cell through EPHB2 activation upon IGF1 stimulation.

Isotype: Rabbit Ig

Applications: E, WB, IHC

Species Reactivity: M, R

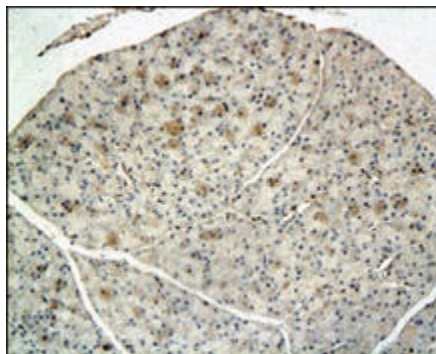
Format: Each vial contains 0.1 mg IgG in 0.1 ml (1 mg/ml) of PBS pH7.4 with 0.09% sodium azide. Antibody was purified by Protein-G affinity chromatography.

Alternate Names: Insulin receptor substrate 4; IRS-4; 160 kDa phosphotyrosine protein; PY160; IRS4

Accession No.: Q9Z0Y7

Antigen: KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of mouse IRS-4.

Application Notes: E: 1:500-1:1,000; WB: 1:200-1:500; IHC: 1:200-1:500



IRS-4 staining in rat pancreas. Paraffin-embedded rat pancreas is stained with IRS-4 Antibody (Cat. No. 250729) used at 1:200 dilution.

Storage: Store at -20°C. Minimize freeze-thaw cycles. Product is guaranteed one year from the date of shipment.

For research use only, not for diagnostic or therapeutic procedures.