

IRS1 Rabbit pAb

Catalog No.: A28406

Basic Information

Observed MW

180 kDa

Calculated MW

131 kDa

Category

Primary antibody

Applications

WB, ELISA

Cross-Reactivity

Mouse

Background


Enables phosphatidylinositol 3-kinase activator activity; phosphatidylinositol 3-kinase binding activity; and transmembrane receptor protein tyrosine kinase adaptor activity. Involved in cellular response to fatty acid; insulin receptor signaling pathway; and insulin-like growth factor receptor signaling pathway. Acts upstream of or within several processes, including cellular response to insulin stimulus; positive regulation of epithelial cell migration; and positive regulation of phosphatidylinositol 3-kinase/protein kinase B signal transduction. Located in several cellular components, including ciliary basal body; nucleus; and plasma membrane. Is expressed in several structures, including alimentary system; brain; genitourinary system; hemolymphoid system gland; and liver and biliary system. Used to study type 2 diabetes mellitus. Human ortholog(s) of this gene implicated in Alzheimer's disease; coronary artery disease; type 2 diabetes mellitus; and uterine fibroid. Orthologous to human IRS1 (insulin receptor substrate 1).

Recommended Dilutions

WB 1:1000 - 1:2000

ELISA Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements. For high-ratio antibody dilutions ($\geq 1:10000$) a sequential dilution method is strongly recommended to ensure measurement accuracy.

Contact

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Immunogen Information

Gene ID

16367

Swiss Prot

P35569

Immunogen

Synthetic peptide. This information is considered to be commercially sensitive.

Synonyms

G972R; IRS-1

Product Information

Source

Rabbit

Isotype

IgG

Purification

Affinity purification

Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.09% Sodium azide, 50% glycerol, pH7.3.