

Insulin Receptor-alpha Antibody

Subcategory: Rabbit Polyclonal Antibody

Cat. No.: 250723

Unit: 0.1 mg

Description:

INSR binds insulin and has a tyrosine protein kinase activity. The short isoform has a higher affinity for insulin. The receptor mediates the metabolic functions of insulin. The receptor binding to insulin stimulates association of the receptor with downstream mediators including IRS1 and phosphatidylinositol 3'-kinase (PI3K). Defects in INSR are the cause of insulin resistance. This antibody is against the alpha subunit.

Isotype: Rabbit Ig

Applications: E, IHC, WB

Species Reactivity: H, M, R

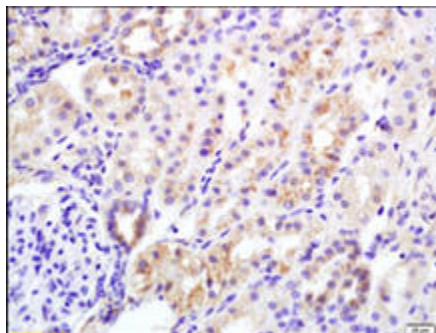
Format: Each vial contains 0.1 mg IgG in 0.1 ml (1 mg/ml) of PBS pH7.4 with 0.09% sodium azide. Antibody was purified by Protein-G affinity chromatography.

Alternate Names: Insulin receptor; CD220 antigen; IR; INSR

Accession No.: P06213

Antigen: KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of human INSR-alpha.

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



INSR alpha staining in rat kidney. Paraffin-embedded rat kidney tissue is stained with Insulin Receptor-alpha Antibody (Cat. No. 250723) used at 1:200 dilution.

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

Product Citations: Pancani T et al. 2013. Neurobiology of Aging doi:10.1016/j.neurobiolaging.2013.02.019. PMID# 23545425

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