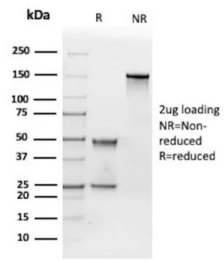
IGF1R alpha Antibody 24-60 / Insulin like growth factor 1 receptor alpha [clone 24-60] (V5745)

Catalog No.	Formulation	Size
V5745-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V5745-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V5745SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2a, kappa
Clone Name	24-60
Purity	Protein G affinity
UniProt	P08069
Localization	Cell membrane
Applications	Immunofluorescence: 1-3ug/ml
Limitations	This IGF1R alpha Antibody 24-60 is available for research use only.



IGF1R alpha Antibody 24-60 in SDS-PAGE. SDS-PAGE analysis of purified Insulin like growth factor 1 receptor alpha antibody.

Description

IGF1R alpha Antibody 24-60 is specific for the human insulin-like growth factor 1 receptor (IGF1R). It recognizes the extracellular portion of the receptor, specifically an epitope in the cysteine rich domain of the alpha subunit, between amino acids 184 and 283. It does not cross-react with rat or mouse IGF1R or human insulin receptors in co-precipitation

or immuno-depletion assays.

The ability of this antibody to bind human IGF1R has been confirmed in IGF1 binding assays using both IG1FR-overexpressing IGF1R/3T3 cells and soluble receptors (Soos et al, 1992). This antibody efficiently precipitates human IGF1R solubilized from IGF1R/3T3 cells (Soos et al, 1992) and human placental membranes (Bailyes et al, 1997), and has been used in immunoprecipitation analysis of 293 cells transfected with IGF1R or chimeric IGF1R-insulin receptor (IR) constructs (Schumacher et al, 1993). When immobilized, this antibody has been shown to remove essentially all soluble, IGF1R/3T3-derived IGF1R (Soos et al, 1992) and human placental membrane-derived IGF1R (Soos et al, 1993) in immuno-depletion experiments. This antibody strongly inhibits IGF1 binding to its receptor (Soos et al, 1992), and has been shown to suppress IGF1-mediated stimulation of skin fibroblast proliferation (Okubo et al 2003).

For a monoclonal option with Protein Microarray Validated specificity, see our IGF1R Antibody IGF1R/4667 / Insulin-Like Growth Factor 1 Receptor Antibody page.

Application Notes

Optimal dilution of the IGF1R alpha Antibody 24-60 should be determined by the researcher.

Immunogen

IGF-1R/3T3 mouse fibroblasts transfected with human type I IGF-receptor cDNA was used as the immunogen for the was used as the immunogen for the IGF1R alpha Antibody 24-60. The epitope has been localized to the alpha subunit, between amino acids 184 and 283.

Storage

Aliquot the IGF1R alpha Antibody 24-60 and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

Copyright © NSJ Bioreagents. All rights reserved.