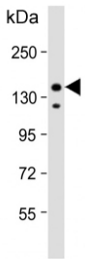
Insulin receptor substrate 2 Antibody / IRS2 (F54949)

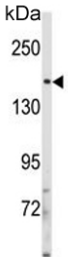
Catalog No.	Formulation	Size
F54949-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F54949-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

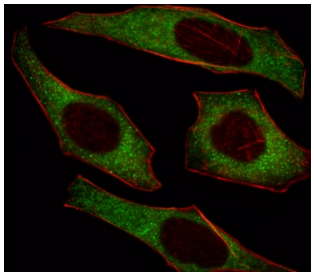
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Purified
UniProt	Q9Y4H2
Localization	Cytoplasmic
Applications	Western blot: 1:500-1:1000 Immunofluorescence: 1:10-1:50 Immunohistochemistry (FFPE): 1:50-1:100
Limitations	This Insulin receptor substrate 2 antibody is available for research use only.



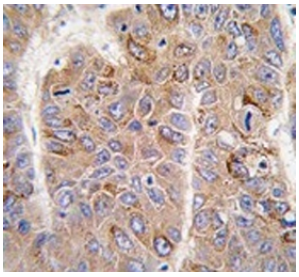
Western blot testing of human HeLa cell lysate with Insulin receptor substrate 2 antibody. Predicted molecular weight ~137 kDa but it may be observed at up to ~190 kDa due to phosphorylation.



Western blot testing of human HEK293 cell lysate with Insulin receptor substrate 2 antibody. Predicted molecular weight ~137 kDa but it may be observed at up to ~190 kDa due to phosphorylation.



Immunofluorescent staining of fixed and permeabilized human HeLa cells with Insulin receptor substrate 2 antibody (green) and anti-Actin (red).



IHC testing of FFPE human hepatocellular carcinoma tissue with Insulin receptor substrate 2 antibody. HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to staining.

Description

Insulin receptor substrate 2, a cytoplasmic signaling molecule that mediates effects of insulin, insulin-like growth factor 1, and other cytokines by acting as a molecular adaptor between diverse receptor tyrosine kinases and downstream effectors. This protein is phosphorylated by the insulin receptor tyrosine kinase upon receptor stimulation, as well as by an interleukin 4 receptor-associated kinase in response to IL4 treatment.

Application Notes

The stated application concentrations are suggested starting points. Titration of the Insulin receptor substrate 2 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 1309-1338 from the human protein was used as the immunogen for the Insulin receptor substrate 2 antibody.

Storage

Aliquot the Insulin receptor substrate 2 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

Copyright © NSJ Bioreagents. All rights reserved.