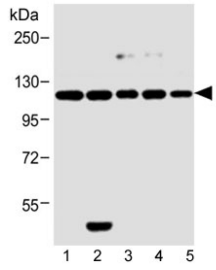
Insulin receptor-related Antibody (F50644)

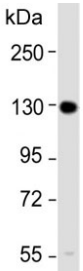
Catalog No.	Formulation	Size
F50644-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F50644-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

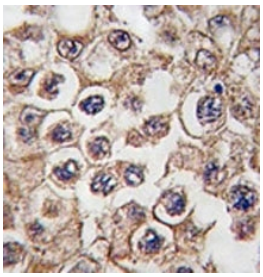
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Purified
UniProt	P14616
Applications	Western blot: 1:1000 IHC (Paraffin): 1:10-1:50
Limitations	This Insulin receptor-related antibody is available for research use only.



Western blot testing of human 1) MCF-7, 2) HeLa, 3) SH-SY5Y, 4) 293T and 5) rat PC-12 cell lysate with Insulin receptor-related antibody. Expected molecular weight: ~80 kDa, 144 kDa.



Western blot analysis of Insulin receptor-related antibody and mouse brain lysate. Expected molecular weight: ~80 kDa, 144 kDa.



IHC analysis of FFPE human testis tissue stained with Insulin receptor-related antibody.

Description

Protein kinases are enzymes that transfer a phosphate group from a phosphate donor, generally the g phosphate of ATP, onto an acceptor amino acid in a substrate protein. By this basic mechanism, protein kinases mediate most of the signal transduction in eukaryotic cells, regulating cellular metabolism, transcription, cell cycle progression, cytoskeletal rearrangement and cell movement, apoptosis, and differentiation. With more than 500 gene products, the protein kinase family is one of the largest families of proteins in eukaryotes. The family has been classified in 8 major groups based on sequence comparison of their tyrosine (PTK) or serine/threonine (STK) kinase catalytic domains. The tyrosine kinase (TK) group is mainly involved in the regulation of cell-cell interactions such as differentiation, adhesion, motility and death. There are currently about 90 TK genes sequenced, 58 are of receptor protein TK (e.g. EGFR, EPH, FGFR, PDGFR, TRK, and VEGFR families), and 32 of cytosolic TK (e.g. ABL, FAK, JAK, and SRC families).

Application Notes

Titration of the Insulin receptor-related antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 16-47 from the human protein was used as the immunogen for this Insulin receptor-related antibody.

Storage

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

Ordering: Phone: 858.663.9055 | Fax: 1.267.821.0800 | Email: info@nsjbio.com

Copyright © NSJ Bioreagents. All rights reserved.