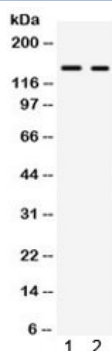


RIP140 Antibody / NRIP1 (R32110)

Catalog No.	Formulation	Size
R32110	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide
UniProt	P48552
Applications	Western blot : 0.1-0.5ug/ml
Limitations	This RIP140 antibody is available for research use only.



Western blot testing of 1) rat liver and 2) mouse liver lysate with RIP140 antibody.
Predicted molecular weight: ~127 kDa, routinely observed at ~140 kDa.

Description

Nuclear receptor-interacting protein 1 (NRIP1), also known as receptor-interacting protein 140 (RIP140), is a protein that in humans is encoded by the NRIP1 gene. It is a nuclear protein that specifically interacts with the hormone-dependent activation domain AF2 of nuclear receptors. Also known as RIP140, this protein is a key regulator which modulates transcriptional activity of a variety of transcription factors, including the estrogen receptor. RIP140 has an important role in

regulating lipid and glucose metabolism, and regulates gene expression in metabolic tissues including heart, skeletal muscle, and liver. A major role for RIP140 in adipose tissue is to block the expression of genes involved in energy dissipation and mitochondrial uncoupling, including uncoupling protein 1 and carnitine palmitoyltransferase 1b.

Application Notes

Optimal dilution of the RIP140 antibody should be determined by the researcher.

Immunogen

Amino acids EAHLQQYSREHALKTQNANQAASERLAAMARLQE of human RIP140/NRIP1 were used as the immunogen for the RIP140 antibody.

Storage

After reconstitution, the RIP140 antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.