10320 Camino Santa Fe, Suite G
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Anti-RIP140 Antibody
Catalog # ABO12772

Specification

Anti-RIP140 Antibody - Product Information

Application	**WB**
Primary Accession	P48552
Host	**Rabbit**
Reactivity	**Human, Mouse, Rat**
Clonality	**Polyclonal**
Format	**Lyophilized**

Description
Rabbit IgG polyclonal antibody for Nuclear receptor-interacting protein 1(NRIP1) detection. Tested with WB in Human;Mouse;Rat.

Reconstitution
Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Anti-RIP140 Antibody - Additional Information

Gene ID 8204

Other Names
Nuclear receptor-interacting protein 1, Nuclear factor RIP140, Receptor-interacting protein 140, NRIP1

Calculated MW
126942 MW KDa

Application Details
Western blot, 0.1-0.5 µg/ml, Mouse, Rat, Human

Subcellular Localization
Nucleus . Localized to discrete foci and redistributes to larger nuclear domains upon binding to ligand- bound NR3C1.

Protein Name
Nuclear receptor-interacting protein 1

Contents
Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.

Immunogen
A synthetic peptide corresponding to a sequence at the N-terminus of human RIP140 (273-306aa EAHLQQYSREHALKTQNANQAASERLAAMARLQE), different from the related mouse sequence by two amino acids.

Purification
Immunogen affinity purified.

Cross Reactivity
No cross reactivity with other proteins

Storage	**At -20˚C for one year. After r˚Constitution, at 4˚C for one month. It˚Can also be aliquotted and stored frozen at -20˚C for a longer time.Avoid repeated freezing and thawing.**

Anti-RIP140 Antibody - Protein Information

Name NRIP1

Function
Modulates transcriptional activation by steroid receptors such as NR3C1, NR3C2 and ESR1. Also modulates transcriptional repression by nuclear hormone receptors. Positive regulator of the circadian clock gene expression: stimulates transcription of BMAL1, CLOCK and CRY1 by acting as a coactivator for RORA and RORC. Involved in the regulation of ovarian function (By similarity). Plays a role in renal development (PubMed:28381549).

Cellular Location
Nucleus. Note=Localized to discrete foci and redistributes to larger nuclear domains upon binding to ligand-bound NR3C1

Anti-RIP140 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-RIP140 Antibody - Images

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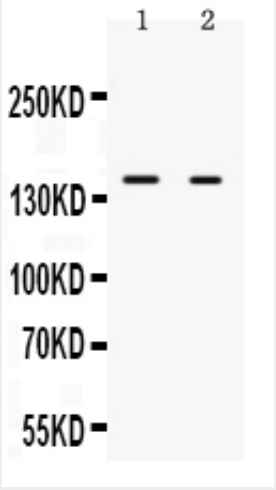

Anti- RIP140 antibody, ABO12772, Western blottingAll lanes: Anti RIP140 (ABO12772) at 0.5ug/mlLane 1: Rat Liver Tissue Lysate at 50ugLane 2: Mouse Liver Tissue Lysate at 50ugPredicted bind size: 127KDObserved bind size: 150KD

Anti-RIP140 Antibody - Background

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.