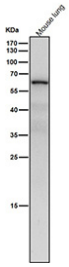
NR2C2 Antibody / Nuclear receptor subfamily 2 group C member 2 / TR4 [clone 31N37] (FY12652)

Catalog No.	Formulation	Size
FY12652	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA	100 ul

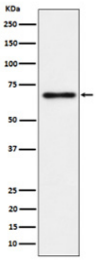
Recombinant RABBIT MONOCLONAL

Bulk quote request

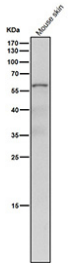
Availability	2-3 weeks
Species Reactivity	Human, Mouse, Rat
Format	Liquid
Host	Rabbit
Clonality	Recombinant Rabbit Monoclonal
Isotype	Rabbit IgG
Clone Name	31N37
Purity	Affinity-chromatography
Buffer	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.
UniProt	P49116
Applications	Western Blot : 1:500-1:2000
Limitations	This NR2C2 antibody is available for research use only.



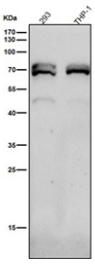
Mouse lung tissue lysate western blot tested with the NR2C2 antibody at 1:4000 dilution for 1 hour at room temperature. Predicted molecular weight: 65-67 kDa (two isoforms).



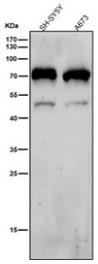
Western blot analysis of NR2C2/TR4 expression in human PC-3 cell lysate using NR2C2 antibody. Predicted molecular weight: 65-67 kDa (two isoforms).



Mouse skin tissue lysate western blot tested with the NR2C2 antibody at 1:4000 dilution for 1 hour at room temperature. Predicted molecular weight: 65-67 kDa (two isoforms).



All lanes use the NR2C2 antibody at 1:4000 dilution for 1 hour at room temperature. Predicted molecular weight: 65-67 kDa (two isoforms).



All lanes use the NR2C2 antibody at 1:4000 dilution for 1 hour at room temperature. Predicted molecular weight: 65-67 kDa (two isoforms).

Description

NR2C2 antibody detects nuclear receptor subfamily 2 group C member 2, a transcription factor encoded by the NR2C2 gene. NR2C2 belongs to the nuclear receptor superfamily and is also known as Testicular receptor 4 (TR4). It binds specific DNA response elements and regulates genes involved in metabolism, differentiation, and development. NR2C2 functions as both an activator and repressor, depending on cellular context and cofactors, and plays key roles in the endocrine system, reproductive biology, and brain function.

NR2C2 antibody is widely applied in endocrinology, neuroscience, and cancer research. In reproductive tissues, NR2C2 regulates steroidogenesis and germ cell development. In the central nervous system, it contributes to neuronal differentiation and brain development. Altered NR2C2 expression has been linked to prostate cancer, glioma, and developmental disorders. By detecting NR2C2, researchers can investigate how nuclear receptors integrate hormonal signals with transcriptional control across diverse tissues.

Western blot assays detect NR2C2 protein bands in nuclear fractions, while immunohistochemistry highlights expression in reproductive and neural tissues. Immunofluorescence maps NR2C2 localization to the nucleus, consistent with its role as a DNA binding transcription factor. These applications make NR2C2 antibody versatile for research into nuclear receptor biology.

NR2C2 interacts with corepressors, coactivators, and chromatin remodeling complexes, positioning it as a hub in transcriptional networks. It regulates genes controlling lipid metabolism, energy balance, and differentiation. By applying NR2C2 antibody, scientists can evaluate how transcriptional circuits controlled by nuclear receptors contribute to health and disease.

NR2C2 antibody from NSJ Bioreagents provides dependable specificity for studying transcriptional regulation by nuclear receptors. Its strong performance ensures accurate detection across applications in endocrinology, neuroscience, and oncology.

Application Notes

Optimal dilution of the NR2C2 antibody should be determined by the researcher.

Immunogen

A synthesized peptide derived from human NR2C2 / TR4 was used as the immunogen for the NR2C2 antibody.

Storage

Store the NR2C2 antibody at -20oC.