

Product Name: KD-Validated NR3C1 Mouse Monoclonal Antibody**Catalog #: KVA00822**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Mouse
Application	WB
Reactivity	Human
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG1 kappa
Clonality	Mouse mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:2,500-1:5,000
Molecular Weight	Calculated MW: 85.7kDa

Antigen Information

Gene Name	NR3C1 NR3C1; Nuclear Receptor Subfamily 3 Group C Member 1; GR; Glucocorticoid Receptor; GRL; Nuclear Receptor Subfamily 3, Group C, Member 1 (Glucocorticoid Receptor); Nuclear
Alternative Names	Receptor Subfamily 3 Group C Member 1 Variant HGR-B(54); Nuclear Receptor Subfamily 3 Group C Member 1 Variant HGR-B(77); Nuclear Receptor Subfamily 3 Group C Member 1 Variant HGR-B(93); Nuclear Receptor Subfamily 3, Group C, Member 1; GCRST; GCCR; GCR
Gene ID	2908.0
SwissProt ID	P04150
Immunogen	Recombinant protein of human Glucocorticoid Receptor

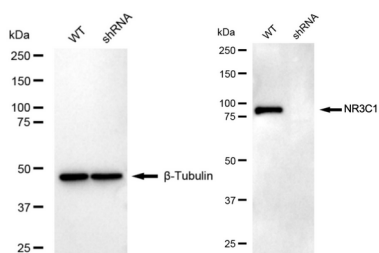
Background

This gene encodes glucocorticoid receptor, which can function both as a transcription factor that binds to glucocorticoid response elements in the promoters of glucocorticoid responsive genes to activate their transcription, and as a regulator of other transcription factors. This receptor is typically found in the cytoplasm, but upon ligand binding, is transported into the nucleus. It is involved in inflammatory responses, cellular proliferation, and differentiation in target tissues. Mutations in this gene are associated with generalized glucocorticoid resistance. Alternative splicing of this gene results in transcript variants encoding either the same or different isoforms. Additional isoforms resulting from the use of alternate in-frame translation initiation sites have also been described, and shown to be functional, displaying diverse cytoplasm-to-nucleus trafficking patterns and distinct transcriptional activities (PMID:15866175). [provided by RefSeq, Feb 2011]

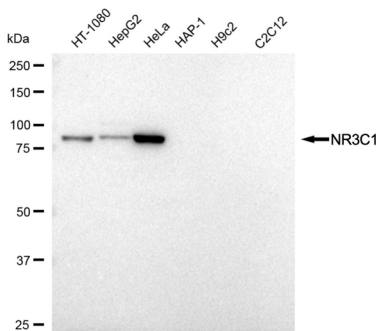
Research Area

Signal Transduction, Epigenetics and Nuclear Signaling, Cancer, Neuroscience

Image Data



Western blotting analysis using NR3C1 antibody (KVA00822). Glucocorticoid Receptor expression in wild type (WT) and NR3C1 shRNA knockdown (KD) HeLa cells with 30 µg of total cell lysates. β-Tubulin serves as a loading control. The blot was incubated with NR3C1 antibody (KVA00822, 1:5,000) and HRP-conjugated goat anti-mouse secondary antibody (APS0631, 1:10,000) respectively.



Western blotting analysis using NR3C1 antibody (KVA00822). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with NR3C1 antibody (KVA00822, 1:5,000) and HRP-conjugated goat anti-mouse secondary antibody (APS0631, 1:10,000) respectively.