

RACO0302

Product Information

Size:

50ul

Reactivity:

Human

Source:

Homo sapiens (Human)

Isotype:

Rabbit IgG

Applications:

ELISA, WB, FC

Recommended dilutions:

WB:1:500-1:5000, FC:1:20-1:200

Protein Background:

Receptor for glucocorticoids (GC) . Has a dual mode of action: as a transcription factor that binds to glucocorticoid response elements (GRE), both for nuclear and mitochondrial DNA, and as a modulator of other transcription factors. Affects inflammatory responses, cellular proliferation and differentiation in target tissues. Involved in chromatin remodeling . Plays a role in rapid mRNA degradation by binding to the 5' UTR of target mRNAs and interacting with PNRC2 in a ligand-dependent manner which recruits the RNA helicase UPF1 and the mRNA-decapping enzyme DCP1A, leading to RNA decay . Could act as a coactivator for STAT5-dependent transcription upon growth hormone (GH) stimulation and could reveal an essential role of hepatic GR in the control of body growth (By similarity).

Gene ID:

NR3C1

Uniprot

P04150

Synonyms:

Glucocorticoid receptor (GR) (Nuclear receptor subfamily 3 group C member 1), NR3C1, GRL

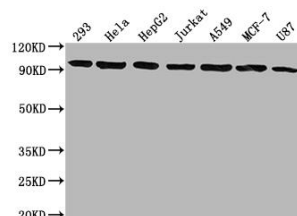
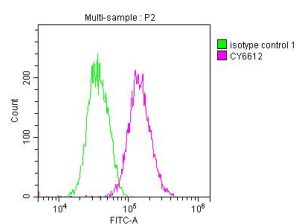
Immunogen:

A synthesized peptide derived from human GR.

Storage:

Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

Product Images



Overlay histogram showing Jurkat cells stained with RACO0302 (red line) at 1:50. The cells were fixed with 70% Ethylalcohol (18h) and then incubated in 10% normal goat serum to block non-specific protein-protein interactions followed by the antibody ($1\mu\text{g}$) 1×10^6 cells for 1 h at 4°C . The secondary antibody used was FITC-conjugated goat anti-rabbit IgG (H+L) at 1/200 dilution for 30min at 4°C . Control antibody (green line) was Rabbit IgG ($1\mu\text{g}$) 1×10^6 cells used under the same conditions. Acquisition of $>10,000$ events was performed.

Western Blot

Positive WB detected in (293 whole cell lysate) HeLa whole cell lysate) HepG2 whole cell lysate) Jurkat whole cell lysate) A549 whole cell lysate) MCF-7 whole cell lysate) U87 whole cell lysate) All lanes: NR3C1 antibody at 1:1500

Secondary

Goat polyclonal to rabbit IgG at 1:50000 dilution

Predicted band size: 86, 83, 82, 77, 76, 65, 61, 52, 51, 50 kDa

Observed band size: 95 kDa