Data Sheet (Cat.No.TMAC-01671)

Anti-NR3C1 Antibody (1M615)

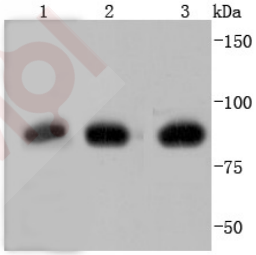
Product Details

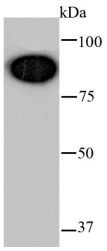
Ig Type:	IgG
Reactivity:	Human,Mouse,Rat,zebrafish
Conjugation:	Unconjugated
Molecular Weight:	Theoretical: 86 kDa.
Clone:	1M615
Purification:	ProA affinity purified

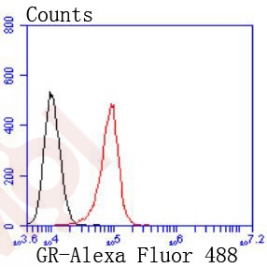
Applications

Verified Activity:

1. Western blot analysis of Glucocorticoid Receptor on different lysates using anti-Glucocorticoid Receptor antibody at 1/1,000 dilution. Positive control: Lane 1: zebrafish, Lane 2: A549, Lane 3: HepG2.
2. Western blot analysis of Glucocorticoid Receptor on hybrid fish (crucian-carp) heart tissue lysate using anti-Glucocorticoid Receptor antibody at 1/500 dilution.
3. Flow cytometric analysis of NIH/3T3 cells with Glucocorticoid Receptor antibody at 1/50 dilution (red) compared with an unlabelled control (cells without incubation with primary antibody; black). Alexa Fluor 488-conjugated goat anti rabbit IgG was used as the secondary antibody.







Application: FCM,WB

Recommended WB: 1:1000-5000; FCM: 1:50-100

Properties

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

Antigen Details

Immunogen: Recombinant Protein

Uniprot ID: P04150

Synonyms: GCR;GCCR;GR;nuclear receptor subfamily 3, group C, member 1 (glucocorticoid receptor); GCRST;GRL

Research Background

The glucocorticoid receptor (GR) is a ubiquitously expressed transcription factor that mediates the effects of glucocorticoids. The most abundant isoform is GR α. GR induces or represses the expression of genes in response to glucocorticoids, mediating such processes as apoptosis, cell growth and differentiation. A significant class of genes suppressed by GR is controlled by the transcription factor AP-1. GR has also been shown to be the limiting factor in the induction of gene expression by glucocorticoids. It has been revealed that GR forms a complex with HSP 90, rendering the non-ligand bound receptor transcriptionally inactive. More importantly, mutant GRs lacking the signaling domain remain constitutively active.

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