bs-13385R **[Primary Antibody]**

Glucocorticoid Receptor Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 2908 **SWISS:** P04150

Target: Glucocorticoid Receptor

Immunogen: KLH conjugated synthetic peptide derived from human Glucocorticoid Receptor beta: 51-150/777.

Purification: affinity purified by Protein A

Concentration: 1mg/ml

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: Steroid receptors are ligand-dependent, intracellular proteins that stimulate transcription of specific genes by binding to specific DNA sequences following activation by the appropriate hormone. Glucocorticoids are a family of steroids necessary for the regulation of energy metabolism and the immune and inflammatory responses. These compounds exert their effect through their interaction with the glucocoticoid receptor (GR) and that complex's subsequent association with DNA. All normal mammalian tissues examined to date have been shown to contain glucocorticoid receptor.

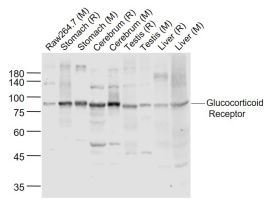
Applications: **WB** (1:500-2000)
IHC-P (1:100-500)
IHC-F (1:100-500)
IF (1:100-500)
Flow-Cyt (1ug/Test)

Reactivity: Human, Mouse, Rat (predicted: Pig, Sheep, Cow, Chicken, Dog, GuineaPig, Horse)

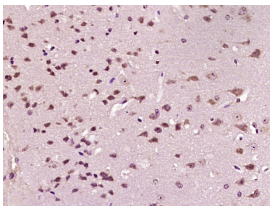
Predicted MW.: 86 kDa

Subcellular Location: Cytoplasm ,Nucleus

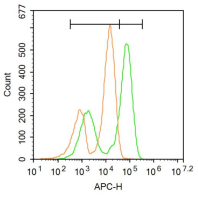
VALIDATION IMAGES



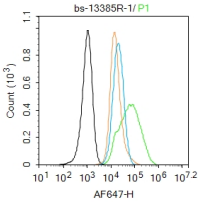
Sample: Lane 1: Raw264.7 (Mouse) Cell Lysate at 30 ug Lane 2: Stomach (Rat) Lysate at 40 ug Lane 3: Stomach (Mouse) Lysate at 40 ug Lane 4: Cerebrum (Rat) Lysate at 40 ug Lane 5: Cerebrum (Mouse) Lysate at 40 ug Lane 6: Testis (Rat) Lysate at 40 ug Lane 7: Testis (Mouse) Lysate at 40 ug Lane 8: Liver (Rat) Lysate at 40 ug Lane 9: Liver (Mouse) Lysate at 40 ug Primary: Anti-Glucocorticoid Receptor (bs-13385R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 90 kD Observed band size: 87 kD



Paraformaldehyde-fixed, paraffin embedded (mouse brain tissue); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (GCR) Polyclonal Antibody, Unconjugated (bs-13385R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.



Blank control:Mouse spleen. Primary Antibody (green line): Rabbit Anti-Glucocorticoid Receptor beta antibody (bs-13385R) Dilution: 3µg /10^6 cells; Isotype Control Antibody (orange line): Rabbit IgG . Secondary Antibody: Goat anti-rabbit IgG-AF647 Dilution: 3µg /test. Protocol The cells were fixed with 4% PFA (10min at room temperature)and then permeabilized with 90% ice-cold methanol for 20 min at-20°C. The cells were then incubated in 5%BSA to block non-specific protein-protein interactions for 30 min at at room temperature .Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.



Blank control:A549. Primary Antibody (green line): Rabbit Anti-Glucocorticoid Receptor antibody (bs-13385R) Dilution: 1μg /10^6 cells; Isotype Control Antibody (orange line): Rabbit IgG . Secondary Antibody : Goat anti-rabbit IgG-AF647 Dilution: 1μg /test. Protocol The cells were fixed with 4% PFA (10min at room temperature)and then permeabilized with 0.1% PBST for 20 min at room temperature. The cells were then incubated in 5%BSA to block non-specific protein-protein interactions for 30 min at room temperature .Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.

SELECTED CITATIONS

- **[IF=4.183]** Zou P et al. Mechanisms of Stress-Induced Spermatogenesis Impairment in Male Rats Following Unpredictable Chronic Mild Stress (uCMS). Int. J. Mol. Sci. 2019, 20, 4470. WB ;Rat. doi:10.3390/ijms20184470
- **[IF=3.3]** Zhen Guo. et al.Solasodine binds to glucocorticoid receptor to ameliorate airway remodeling and excessive autophagy in bronchial smooth muscle cells for allergic asthma..TOXICOLOGY AND APPLIED PHARMACOLOGY.2025 Mar 26:498:117313. Western blot,IHC,IF ;Human,Mouse. 40154577
- **[IF=2.1]** Xiangdong Meng. et al. Naringin ameliorates memory deficits and exerts neuroprotective effects in a mouse model of Alzheimer's disease by regulating multiple metabolic pathways. Mol Med Rep. 2021 May;23(5):1-13 WB ;Mouse. 33760152