bs-11903R **[Primary Antibody]**

NR4A3 Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 8013 **SWISS:** Q92570

Target: NR4A3

Immunogen: KLH conjugated synthetic peptide derived from human NOR1: 521-626/626.

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: Nur77 (also designated NGFI-B), Nurr1 (Nur-related factor 1), and NOR-1 (neuron-derived orphan receptor 1) constitute the NGFI-B subfamily within the nuclear receptor superfamily. Ligands for these protein have not been identified, and, therefore, they are designated “orphan nuclear receptors”. Genes of the NGFI-B subfamily are classified as immediate-early genes, which are induced rapidly, but transiently, in response to a variety of stimuli. They have been implicated in cell proliferation, differentiation, and apoptosis. The human NOR-1 gene maps to chromosome 9q, and encodes a protein which is expressed in heart, skeletal muscle, thymus, and spleen as well as in brain, where it is developmentally regulated. There-fore, NOR-1 may be involved in regulating neural differentiation. The NOR-1 gene also undergoes chromosomal translocation with the EWS gene to produce a protein thought to affect pre-mRNA splicing.

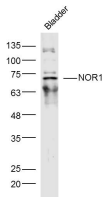
Applications: **WB** (1:500-2000)

Reactivity: Mouse (predicted: Human, Rat, Rabbit, Dog)

Predicted MW.: 68 kDa

Subcellular Location: Nucleus

VALIDATION IMAGES



Sample: Bladder (Mouse) Lysate at 40 ug Primary: Anti- NOR1 (bs-11903R) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 68 kD Observed band size: 68 kD

SELECTED CITATIONS

- **[IF=12.2]** Javeria Zaheer. et al. Microplastic polyethylene induced inner ear dysfunction in murine model. J HAZARD MATER. 2024 Sep;476:135193 IF ;Mouse. 39029192
- **[IF=3.1]** Xiaolan Shi. et al. Targeting Hub Genes Involved in Muscle Injury Induced by Jumping Load Based on Transcriptomics. DNA CELL BIOL. 2023 Jun 20 WB ;Rat. 37339448