**bs-20769R** **[ Primary Antibody ]**

# RXRA | RXR-alpha Rabbit pAb

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## DATASHEET

**Host:** Rabbit **Isotype:** IgG

**Clonality:** Polyclonal

**GeneID:** 6256 **SWISS:** P19793

**Target:** RXRA | RXR-alpha

**Immunogen:** KLH conjugated synthetic peptide derived from human RXR Alpha: 151-240/462.

**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:** Retinoid X receptors (RXRs) and retinoic acid receptors (RARs) are nuclear receptors that mediate the biological effects of retinoids by their involvement in retinoic acid-mediated gene activation. These receptors function as transcription factors by binding as homodimers or heterodimers to specific sequences in the promoters of target genes. The protein encoded by this gene is a member of the steroid and thyroid hormone receptor superfamily of transcriptional regulators. Alternative splicing of this gene results in multiple transcript variants. [provided by RefSeq, May 2014].

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

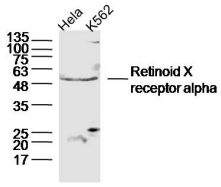
**Reactivity:** Human, Rat (predicted: Mouse, Chicken, Dog, Horse)

**Predicted MW.:** 51 kDa

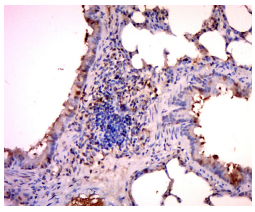
**Observed MW.:** 51 kDa

**Subcellular Location:** Nucleus

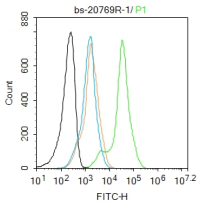
## VALIDATION IMAGES




Sample: Hela Cell Lysate at 40 ug K562 Cell Lysate at 40 ug Primary: Anti-Retinoid X receptor alpha (bs-20769R) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 51 kD Observed band size: 51 kD



Paraformaldehyde-fixed, paraffin embedded (rat lung); 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 (Retinoid X receptor alpha) Polyclonal Antibody, Unconjugated (bs-20769R) at 1:500 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.




Blank control:Hela. Primary Antibody (green line): Rabbit Anti-Retinoid X receptor alpha antibody (bs-20769R) Dilution: 1µg /10^6 cells; Isotype Control Antibody (orange line): Rabbit IgG . Secondary Antibody : Goat anti-rabbit IgG-BF488 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=4.4]** Xiao Ying. et al. Pulsatilla decoction alleviates DSS-induced UC by activating FXR-ASBT pathways to ameliorate disordered bile acids homeostasis. FRONT PHARMACOL. 2024 Jun;15: WB ;Mouse. 38974033

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.