

bs-0251R**[Primary Antibody]****BioSS**
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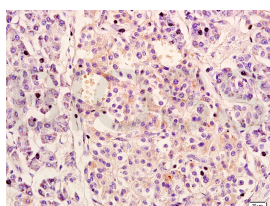
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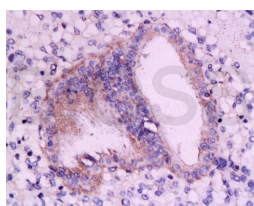
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RAR alpha Rabbit pAb**— DATASHEET —**

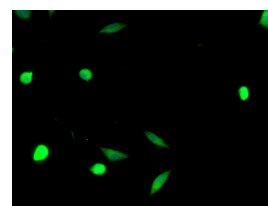
Host: Rabbit Clonality: Polyclonal GeneID: 5914 Target: RAR alpha Immunogen: KLH conjugated synthetic peptide derived from human RAR alpha: 361-462/462. Purification: affinity purified by Protein A Concentration: 1mg/ml Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles. Background: Retinoic acid receptor alpha (RAR-alpha) is a receptor for retinoic acid. This metabolite has profound effects on vertebrate development. Retinoic acid is a morphogen and is a powerful teratogen. This receptor controls cell function by directly regulating gene expression. Subunit: Interacts with CDK7 (By similarity). Interacts with NCOA3 and NCOA6 coactivators, leading to a strong increase of transcription of target genes.	Isotype: IgG SWISS: P10276	Applications: IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500) ICC/IF (1:100) Reactivity: Human (predicted: Mouse, Rat) Predicted MW.: 48 kDa Subcellular Location: Cytoplasm ,Nucleus
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— VALIDATION IMAGES —

Tissue/cell: human ovary carcinoma; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Incubation: Anti-RAR-alpha Polyclonal Antibody, Unconjugated (bs-0251R) 1:800, overnight at 4°C, followed by conjugation to the secondary antibody (SP-0023) and DAB (C-0010) staining



Tissue/cell: human endometrium tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Incubation: Anti-RAR-alpha Polyclonal Antibody, Unconjugated (bs-0251R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody (SP-0023) and DAB (C-0010) staining



SH-SY5Y cell; 4% Paraformaldehyde-fixed; Triton X-100 at room temperature for 20 min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Antibody incubation with (RAR alpha) polyclonal Antibody, Unconjugated (bs-0251R) 1:100, 90 minutes at 37°C; followed by a conjugated Goat Anti-Rabbit IgG antibody at 37°C for 90 minutes, DAPI (blue, C02-04002) was used to stain the cell nuclei.

— SELECTED CITATIONS —

- **[IF=7.561]** Tian Y. et al. Activation of RAR α Receptor Attenuates Neuroinflammation After SAH *via* Promoting M1-to-M2 Phenotypic Polarization of Microglia and Regulating Mafk/Msr1/PI3K-Akt/NF- κ B Pathway.. Front Immunol. 2022 Feb;13:839796-839796 WB,IF ;Human,Mouse,Rat. 35237277
- **[IF=5.6]** Wenliang Zha. et al. Mitochondrial acid 5 rescues cardiomyocytes from doxorubicin-induced toxicity via repressing the TNF- α /NF- κ B/NLRP3-mediated pyroptosis. INT IMMUNOPHARMACOL. 2023 Oct;123:110736 WB ;Mouse. 37549513
- **[IF=3.923]** Manabe A et al. Upregulation of transient receptor potential melastatin 6 channel expression by rosiglitazone and all-trans-retinoic acid in erlotinib-treated renal tubular epithelial cells.(2018)J Cell Physiol. ICC ;. 30461012

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

- **[IF=2.7]** Yankun Wang. et al. Seasonal changes in vitamin A metabolism-related factors in the oviduct of Chinese brown frog (*Rana dybowskii*). J STEROID BIOCHEM. 2024 Jul;;106583 WB,IHC ;*Rana dybowskii*. 38992392