

bs-6998R**[Primary Antibody]****BioSS**
ANTIBODIES

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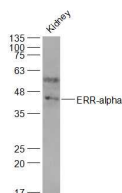
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techsupport@bioss.com.cn

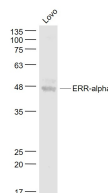
400-901-9800

ERR-alpha Rabbit pAb**DATASHEET**

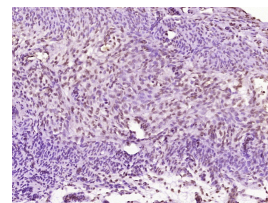
Host: Rabbit	Isotype: IgG	Applications: WB (1:500-2000) IHC-P (1:100-500) IHC-F (1:100-500) IF (1:50-200) Reactivity: Human, Mouse (predicted: Rat, Pig, Cow, Dog, Horse) Predicted MW.: 47 kDa Subcellular Location: Nucleus
Clonality: Polyclonal		
GeneID: 2101	SWISS: P11474	
Target: ERR-alpha		
Immunogen: KLH conjugated synthetic peptide derived from human Estrogen Related Receptor alpha: 101-200/423.		
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: Binds to an ERR-alpha response element (ERRE) containing a single consensus half-site, 5'-TNAAGGTCA-3'. Can bind to the medium-chain acyl coenzyme A dehydrogenase (MCAD) response element NRRE-1 and may act as an important regulator of MCAD promoter. Binds to the C1 region of the lactoferrin gene promoter. Requires dimerization and the coactivator, PGC-1A, for full activity. The ERRalpha/PGC1alpha complex is a regulator of energy metabolism.		

VALIDATION IMAGES

Sample: Kidney (Mouse) Lysate at 40 ug
Primary: Anti-ERR-alpha (bs-6998R) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 47 kD
Observed band size: 47 kD



Sample: Lovp (Human) Cell Lysate at 30 ug
Primary: Anti-ERR-alpha (bs-6998R) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 47 kD
Observed band size: 47 kD



Paraformaldehyde-fixed, paraffin embedded (Mouse uterus); 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 (ERR-alpha) Polyclonal Antibody, Unconjugated (bs-6998R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

SELECTED CITATIONS

- **[IF=3.159]** Wan Boyang. et al. Zearalenone promotes follicle development through activating SIRT1/PGC-1 α signaling pathway in the ovaries of weaned gilts. J Anim Sci. 2022 Feb;; WB ;Pig(Gilt). 10.1093/jas/skac058
- **[IF=2.447]** Panpan Dong. et al. Roles of ERR α and TGF- β signaling in stemness enhancement induced by 1 μ M bisphenol A exposure via human neural stem cells. Exp Ther Med. 2022 Feb;23(2):1-10 WB ;Human. 35069845
- **[IF=1]** Han, Chunlong. et al. Peroxisome Proliferator-Activated Receptor Gamma Coactivator-1-Alpha in Endometriosis: Expression, Regulation, and Potential Role. CUREUS JOURNAL OF MEDICAL SCIENCE. 2025 Jan 12;17(1):e77341. IHC

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

;Human. 39822256