#### bs-6998R

### [ Primary Antibody ]

# Bioss ANTIBODIES

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## ERR-alpha Rabbit pAb

- DATASHEET -

Host: Rabbit Isotype: IgG

Clonality: Polyclonal

**GenelD:** 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.

Applications: WB (1:500-2000)

IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500)

**Reactivity:** Human, Mouse

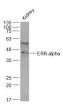
(predicted: Rat, Pig, Cow,

Dog, Horse)

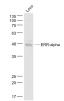
Predicted MW.: 47 kDa

Subcellular Nucleus Location:

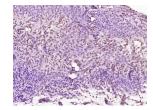
#### VALIDATION IMAGES



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-1α 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 ERRα and TGF-β signaling in stemness enhancement induced by 1 <em>µ</em>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

