

Anti-ERR1 Polyclonal Antibody

Product Details

Ig Type:	IgG
Reactivity:	Human, Mouse (predicted: Rat, Dog, Pig, Cow, Horse)
Molecular Weight:	Theoretical: 47 kDa. Actual: 47 kDa.
Purification:	Protein A purified

Applications

1. Paraformaldehyde-fixed, paraffin embedded (Mouse uterus); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 min; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (ERR-alpha) Polyclonal Antibody, Unconjugated (TMAB-00639) at 1:400 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.

2. Sample:

Lovp (Human) Cell Lysate at 30 µg

Primary: Anti-ERR-alpha (TMAB-00639) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 47 kDa

Observed band size: 47 kDa

3. Sample:

Kidney (Mouse) Lysate at 40 µg

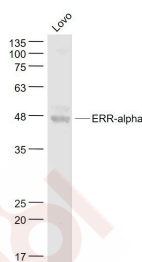
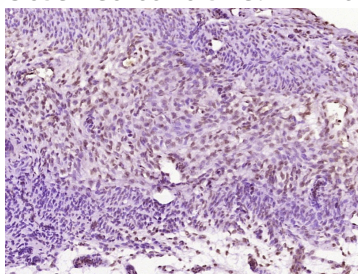
Primary: Anti-ERR-alpha (TMAB-00639) at 1/1000 dilution

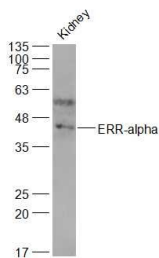
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 47 kDa

Observed band size: 47 kDa

Verified Activity:





Application: IF,IHC-Fr,IHC-P,WB

Recommended IF=1:100-500; IHC-Fr=1:100-500; IHC-P=1:100-500; WB=1:500-2000

Properties

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

Antigen Details

Immunogen: KLH conjugated synthetic peptide: human Estrogen Related Receptor alpha

Antigen Species: Human

Gene ID: 2101

Uniprot ID: P11474

Synonyms: ESRL1;ERR1;Nuclear receptor subfamily 3 group B member 1;Estrogen-related receptor alpha (ERR-alpha);Estrogen receptor-like 1;NR3B1;ESRRA;Steroid hormone receptor ERR1

Biology Area: Estrogen,Estrogen,Zinc Finger,Mitochondrial transcription,Mitochondrial Biogenesis,Estrogen

Research 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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