
Product Name: ERR alpha Rabbit Monoclonal Antibody**Catalog #: AMRe03994**

For research use only.

Summary

Description	Recombinant rabbit monoclonal antibody
Host	Rabbit
Application	WB,FC,IP
Reactivity	Human, Mouse, Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Monoclonal
Form	Liquid
Concentration	1mg/ml. The concentration of this product may be batch-dependent.
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Liquid in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% sodium azide and 0.05% protective protein.
Purification	Affinity Purification

Application

Dilution Ratio	WB 1:500-1:1000,FC 1:50-1:100,IP 1:20-1:50
Molecular Weight	Calculated MW:46 kDa;Observed MW: 50 kDa

Antigen Information

Gene Name	ESRRA
Alternative Names	ESRRA; ERRA; ERR1; HERR1; NR3B1; Steroid hormone receptor ERR1; ERR-alpha; ERRalpha; ESRL1; Estrogen receptor-like 1; Estrogen-related receptor alpha
Gene ID	2101
SwissProt ID	P11474
Immunogen	A synthetic peptide of human Estrogen Related Receptor alpha

Background

Estrogen-related receptor alpha (ERR α /NR3B1) is an orphan nuclear receptor that controls transcription of genes involved in

fatty acid oxidation, glucose metabolism, and mitochondrial biogenesis. The receptor protein contains a non-conserved amino terminal domain (NTD), a central zinc finger DNA binding domain, and a ligand-binding domain. The carboxy-terminal AF2 helix motif of ERR α contains binding sites for nuclear receptor coactivators PGC-1 α and PGC-1 β . Research studies demonstrate that ERR α transcriptional activity is regulated through phosphorylation and sumoylation within the NTD.

Research Area

Epigenetics and Nuclear Signaling

Image Data

Western blot analysis of ERR alpha in HeLa lysates using ERR alpha antibody.

