

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



Summary

Production Name	ERR alpha Rabbit Monoclonal Antibody
Description	Recombinant Rabbit Monoclonal antibody
Host	Rabbit
Application	WB,FC,IP
Reactivity	Human, Mouse, Rat

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Monoclonal Antibody
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% sodium azide and 0.05% BSA.
Purification	Affinity Purified

Immunogen

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

Application

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

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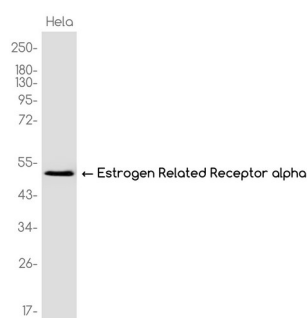
Background

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.

Note

For research use only.