

Product name:	ERR alpha Rabbit Monoclonal Antibody
Cat number:	MABN03994
Conjugate:	Unconjugated
Size:	100μL
Clone:	Monoclonal
Concentration:	1mg/ml
Host:	Rabbit
Isotype:	IgG
Immunogen:	A synthetic peptide of human Estrogen Related Receptor alpha
Reactivity:	Human, Mouse, Rat
Applications:	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
Purification:	Affinity Purification
Form:	Liquid
Buffer:	Liquid in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% sodium azide and 0.05% BSA.
Storage:	Store at 4°C short term. Aliquot and store at -20°C for 12 months. Avoid freeze/thaw cycles.
Background:	Estrogen-related receptor alpha (ERRα/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 ERRα contains binding sites for nuclear receptor coactivators PGC-1α and PGC-1β. Research studies demonstrate that ERRα transcriptional activity is regulated through phosphorylation and sumoylation within the NTD.