

Product Datasheet

ERR alpha Antibody

Catalog No: CY5617

Reactivity: Human Mouse Rat

Isotype: Rabbit IgG

Applications: WB IP FC



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Information

UniProt ID: P11474

All Names: ESRRA; ERRA; ERR1; HERR1; NR3B1; Steroid hormone receptor ERR1; ERR-alpha; ERRalpha; ESRL1; Estrogen receptor-like 1; Estrogen-related receptor alpha;

Form: Liquid

Storage instructions: Store at +4° C short term. Store at -20° C long term. Avoid freeze / thaw cycle.

Storage buffer: pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

Purity: Affinity-chromatography

Immunogen: A synthesized peptide

Molecular Wt.: 50 kDa

Application

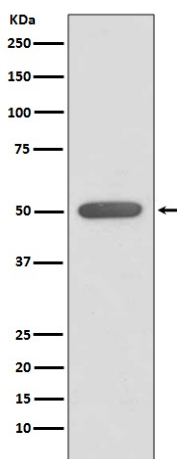
WB: 1:1000~1:2000

IP: 1:50

FC: 1:20

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.



Western blot analysis of ERR alpha expression in HeLa cell lysate.

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