

ER alpha (Acetyl Lys268) Rabbit Polyclonal Antibody

Description

Product type Primary Antibody

Code BT-AP02458

Host Rabbit

Isotype IgG

Size 100ul, 50ul, 20ul

Immunogen Synthesized peptide derived from human ERα (Acetyl Lys268)

Mol wt 65450

Species reactivity Human, Rat, Mouse

Clonality Polyclonal

Recommended application WB, ELISA

Concentration 1 mg/ml

Full name ERalpha

Synonyms ERa ; Acetyl Lys268; Estrogen receptor; ER; ER-alpha; Estradiol receptor; Nuclear receptor subfamily 3

group A member 1

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

Composed of three domains: a modulating N-terminal domain| a DNA-binding domain and a C-terminal steroid-binding domain.|Nuclear hormone receptor. The steroid hormones and their receptors are involved in the regulation of eukaryotic gene expression and affect cellular proliferation and differentiation in target tissues.|online information:Estrogen receptor entry|polymorphism:Genetic variations in ESR1 are correlated with bone mineral density (BMD). Low BMD is a risk factor for osteoporotic fracture. Osteoporosis is characterized by reduced bone mineral density| disrutption of bone microarchitecture| and the alteration of the amount and variety of non-collagenous proteins in bone. Osteoporotic bones are more at risk of fracture.|PTM:Glycosylated; contains N-acetylglucosamine| probably O-linked.|PTM:Phosphorylated by cyclin A/CDK2. Phosphorylation probably enhances transcriptional activity.|Belongs to the nuclear hormone receptor family.|Relongs to the nuclear hormone receptor family. NR3 subfamily.|Contains 1 nuclear receptor DNA-binding domain.|subunit:Interacts with SLC30A9 (By similarity). Binds DNA as a homodimer. Can form a heterodimer with ESR2. Interacts with NCOA3| NCOA5 and NCOA6 coactivators| leading to a strong increase of transcription of target genes. Interacts with NCOA7 in a ligand-inducible manner. Interacts with PHB2| PELP1 and UBE1C. Interacts with AKAP13. Interacts with CUEDC2. Interacts with KDM5A. Interacts with SMARD1. Interacts with HEXIM1 and MAP1S. Interacts with PBXIP1. Interaction with MUC1 is stimulated by 7 beta-estradiol (E2) and enhances ERS1-mediated transcription. Interacts with DNTTIP2| FAM120B and UIMC1. Interacts with isoform 4 of TXNRD1. Interacts with MLL2. Interacts with ATAD2 and this interaction is enhanced by estradiol.|

Recommended Dilution

WB: 1: 1000 - 1: 2000 ELISA: 1: 5000 - 1: 20000

Not yet tested in other applications.

Images

No images.

Storage

-20°C for 1 year

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