

ER alpha (Acetyl Lys303) Rabbit Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-AP09746
Host	Rabbit
Isotype	IgG
Size	100ul, 50ul, 20ul
Immunogen	Synthesized peptide derived from human ER α (Acetyl Lys303)
Mol wt	65450
Species reactivity	Human, Rat, Mouse
Clonality	Polyclonal
Recommended application	WB, ELISA
Concentration	1 mg/ml
Full name	ERalpha
Synonyms	ER α ;Acetyl Lys303; 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| disruption 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.|Belongs 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

