

ER α (Acetyl Lys303) Rabbit pAb

CatalogNo: YK0109

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse, Rat

Applications

- WB, ELISA

MW

- 65kD (Observed)

Isotype

- IgG

Storage

Storage* -15°C to -25°C/1 year (Do not lower than -25°C)**Formulation** Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Recommended Dilution Ratios

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

Basic Information

Clonality Polyclonal

Immunogen Information

Immunogen Synthesized peptide derived from human ER α (Acetyl Lys303)

Specificity This antibody detects endogenous levels of Human ER α (Acetyl Lys303). The name of modified sites may be influenced by many factors, such as species (the modified site was not originally found in human samples) and the change of protein sequence (the previous protein sequence is incomplete, and the protein sequence may be prolonged with the development of protein sequencing technology). When naming, we will use the "numbers" in historical reference to keep the sites consistent with the reports. The antibody binds to the following modification sequence (lowercase letters are modification sites): SKkNS

| Target Information

Gene name ESR1 ESR NR3A1

Protein Name ER α (Acetyl Lys303)

Organism	Gene ID	UniProt ID
Human	2099 ;	P03372 ;
Mouse	13982 ;	P19785 ;
Rat	24890 ;	P06211 ;

Cellular Localization

[Isoform 1]: Nucleus . Cytoplasm . Cell membrane ; Peripheral membrane protein ; Cytoplasmic side . A minor fraction is associated with the inner membrane.; [Isoform 3]: Nucleus. Cytoplasm. Cell membrane; Peripheral membrane protein; Cytoplasmic side. Cell membrane; Single-pass type I membrane protein. Associated with the inner membrane via palmitoylation (Probable). At least a subset exists as a transmembrane protein with a N-terminal extracellular domain. .; Nucleus. Golgi apparatus. Cell membrane. Colocalizes with ZDHHC7 and ZDHHC21 in the Golgi apparatus where most probably palmitoylation occurs. Associated with the plasma membrane when palmitoylated.

Tissue specificity Widely expressed (PubMed:10970861). Not expressed in the pituitary gland (PubMed:10970861). ; [Isoform 3]: Widely expressed, however not expressed in the pituitary gland.

Function

transcription, transcription, DNA-dependent, regulation of transcription, DNA-dependent, anti-apoptosis, intracellular signaling cascade, response to endogenous stimulus, response to hormone stimulus, positive regulation of signal transduction, response to organic substance, positive regulation of macromolecule metabolic process, positive regulation of gene expression, positive regulation of cell communication, regulation of cell death, steroid hormone receptor signaling pathway, estrogen receptor signaling pathway, intracellular receptor-mediated signaling pathway, RNA biosynthetic process, regulation of apoptosis, negative regulation of apoptosis, regulation of programmed cell death, negative regulation of programmed cell death, regulation of neuron apoptosis, neuroprotection, response to estrogen stimulus, regulation of transcription, regulation of survival gene product expression, positive regulation of survival gene product expression, regulation of retinoic acid receptor signaling pathway, positive regulation of retinoic acid receptor signaling pathway, response to steroid hormone stimulus, regulation of RNA metabolic process, negative regulation of cell death,

| Validation Data

| Contact information

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**ER α (Acetyl Lys303)
Rabbit pAb**

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