Estrogen Receptor-a Polyclonal Antibody | anti-ESR1 antibody

Estrogen Receptor-a (Phospho-Ser167)

CATALOG #	APPLICATIONS
AAA47846	**Immunohistochemistry, Immunofluorescence, Immunoblot, Western Blot**

PRODUCT SYNONYMS

Estrogen Receptor-a; Polyclonal Antibody; Estrogen Receptor-a (Phospho-Ser167); anti-ESR1 antibody

PRODUCT SPECIFICATIONS

Clonality	Polyclonal
Specificity	This antibody detects endogenous human estrogen receptor-alpha only when phosphorylated at serine 167.
Form/Format	100ul at 1.0mg/ml in PBS (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Affinity-purified on phosphopeptide; non-phosphopeptide- reactive antibodies were removed by chromatography on non-phosphorylated peptide.
Sequence Length	595
Applicable Applications for anti-ESR1 antibody	IHC (Immunohistochemistry), IF (Immunofluorescence), IB (Immunoblot)
Antigen	Peptide sequence that includes phosphorylation site of serine 167 (L-A-S(p)-T-N) derived from human estrogen receptor-alpha and conjugated to KLH.
Preparation and Storage	This antibody is stable for at least one (1) year at -20 degree C. Can be stored at 4 degree C for short-term.

IMAGES

Application Data

IHC (Immunohiostchemistry)

IF (Immunofluorescence)

ADDITIONAL INFORMATION

Related Product Information for anti-ESR1 antibody	Estrogen receptor alpha (ERalpha), also known as NR3A1 (nuclear receptor subfamily 3, group A, member 1), is one of two main types of estrogen receptor, a nuclear receptor that is activated by estrogen. In humans, ERalpha is encoded by the gene ESR1 (Estrogen Receptor 1). Estrogen receptor (ER) is a ligand-activated transcription factor composed of several domains important for hormone binding, DNA binding, and activation of transcription. Alternative splicing results in several ESR1 mRNA transcripts, which differ primarily in their 5-prime untranslated regions. The translated receptors show less variability.

NCBI AND UNIPROT INFORMATION

NCBI GI #	62821794

NCBI GeneID	2099
NCBI Accession #	NP_000116.2
NCBI GenBank Nucleotide #	NM_000125.3
UniProt Accession #	P03372; Q13511; Q14276; Q5T5H7; Q6MZQ9; Q9NU51; Q9UDZ7; Q9UIS7
Molecular Weight	35,547 Da
NCBI Official Full Name	estrogen receptor isoform 1
NCBI Official Synonym Full Names	estrogen receptor 1
NCBI Official Symbol	ESR1
NCBI Official Synonym Symbols	ER; ESR; Era; ESRA; ESTRR; NR3A1
NCBI Protein Information	estrogen receptor
UniProt Protein Name	Estrogen receptor
UniProt Gene Name	**ESR1**
UniProt Synonym Gene Names	ESR; NR3A1; ER

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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