

anti-Human, Mouse Estrogen Receptor-alpha Antibody | anti-ESTRA antibody

Estrogen Receptor-alpha (Phospho-Ser118) Antibody

CATALOG # AAA267716	REACTIVITY Human, Mouse	APPLICATIONS ELISA, Immunohistochemistry, Western Blot
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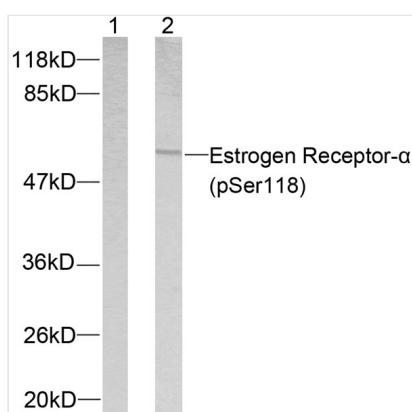
PRODUCT SYNONYMS

Estrogen Receptor-alpha; Estrogen Receptor-alpha (Phospho-Ser118) Antibody; anti-ESTRA antibody

PRODUCT SPECIFICATIONS

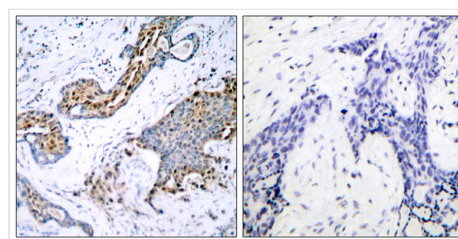
Reactivity	Human, Mouse
Specificity	Estrogen Receptor-alpha (phospho-Ser118) antibody detects endogenous levels of Estrogen Receptor-alpha only when phosphorylated at serine 118.
Purity/Purification	Affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific phosphopeptide. The antibody against non-phosphopeptide was removed by chromatography using non-phosphopeptide corresponding to the phosphorylation site.
Form/Format	In phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Sequence Length	595
Applicable Applications for anti-ESTRA antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	The antiserum was produced against synthesized phosphopeptide derived from human Estrogen Receptor-alpha around the phosphorylation site of serine 118 (Q-L-SP-P-F).
Preparation and Storage	Store at -20 degree C for 1 year

IMAGES



WB (Western Blot)

Western blot analysis of extracts from MCF7 cells treated with Estradiol, using Estrogen Receptor-alpha (phospho-Ser118) antibody.



IHC (Immunohistochemistry)

P-Peptide+ Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using Estrogen Receptor-alpha (phospho-Ser118) antibody.

ADDITIONAL INFORMATION

References	Medunjanin S, et al. (2005). J Biol Chem.80 (38):33006-33014. Masuhiro Y, et al. (2005). Proc Natl Acad Sci U S A.102 (23): 8126-8131. Pentecost BT, et al. (2005). Mol Cell Endocrinol.238 (1-2): 9-25. Park KJ, et al. (2005). Mol Cell.18 (1): 71-82.
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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.