

Rabbit anti-Human Estrogen Receptor-alpha Polyclonal Antibody | anti-ESR1 antibody

Estrogen Receptor-alpha (Phospho-Ser118) Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA305386	Rabbit	Human	Immunofluorescence, Immunohistochemistry, Western Blot

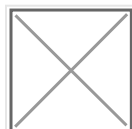
PRODUCT SYNONYMS

Estrogen Receptor-alpha; Polyclonal Antibody; Estrogen Receptor-alpha (Phospho-Ser118) Antibody; Estrogen Receptor-a (Phospho-Ser118) Antibody; ER; ESR; ESR1; ESTR; ESTRA; anti-ESR1 antibody

PRODUCT SPECIFICATIONS

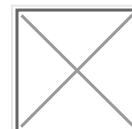
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Specificity	The antibody detects endogenous level of Estrogen Receptor-aonly when phosphorylated at serine 118.
Purity/Purification	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatogramphy usi
Form/Format	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1.0 mg/ml (varies by lot)
Sequence Length	595
Applicable Applications for anti-ESR1 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around phosphorylation site of serine 118 (Q-L-S(p)-P-F) derived from Human Estrogen Receptor-a.
Modification	Phospho-Ser118
Target Name	Estrogen Receptor-a
Preparation and Storage	Store at -20 degree C for long term preservation (recommended). Store at 4 degree C for short term use.

IMAGES



WB (Western Blot)

Western blot analysis of extracts from COS7 cells, treated with starve or calf intestinal phosphatase (CIP), using Estrogen Receptor-alpha (Phospho-Ser118) Antibody.

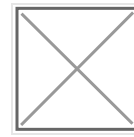


IF (Immunofluorescence)

Immunofluorescence staining of methanol-fixed MCF cells using Estrogen Receptor-a(Phospho-Ser118) Antibody.

**IHC (Immunohistochemistry)**

Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using Estrogen Receptor- α (Phospho-Ser118) Antibody (left) or the same antibody preincubated with blocking peptide(right).

**WB (Western Blot)**

Western blot analysis of extracts from MDA cells untreated or treated with Estradiol using Estrogen Receptor- α (Phospho-Ser118) Antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-ESR1 antibody	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.
Product Categories/Family for anti-ESR1 antibody	Phospho-specific Ab

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
UniProt Entry Name	ESR1_HUMAN

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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Online datasheet: <https://stage.aaabiotech.com/polyclonal/estrogen-receptor-alpha-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/305386>