

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

Estrogen Receptor-alpha Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA322162	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

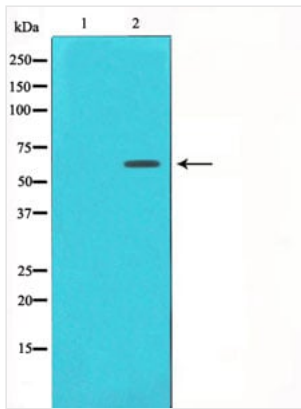
PRODUCT SYNONYMS

Estrogen Receptor-alpha; Polyclonal Antibody; Estrogen Receptor-alpha Antibody; DKFZp686N23123; ER alpha; ER; ER-alpha; Era; ESR; ESR1; ESR1_HUMAN; ESRA; Estradiol receptor; Estrogen nuclear receptor alpha; Estrogen receptor 1; Estrogen receptor alpha 3*; 4; 5; 6; 7*/822 isoform; Estrogen receptor alpha; Estrogen receptor alpha delta 3*; 7*; 8*/941 isoform; 7*/819 2 isoform; Estrogen receptor alpha delta 4 +49 isoform; Estrogen receptor alpha delta 4*; 7*/654 isoform; 7; 8*/901 isoform; Estrogen receptor alpha E1 E2 1 2; Estrogen receptor alpha E1 N2 E2 1 2; Estrogen receptor; ESTRR; NR3A1; Nuclear receptor subfamily 3 group A member 1; anti-ESR1 antibody

PRODUCT SPECIFICATIONS

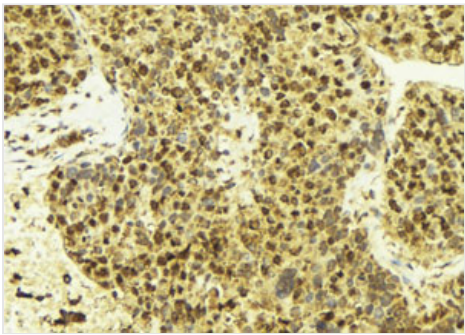
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	Estrogen Receptor-alpha antibody detects endogenous levels of total Estrogen Receptor-alpha
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	595
Applicable Applications for anti-ESR1 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human Estrogen Receptor-alpha, corresponding to a region within C-terminal amino acids.
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



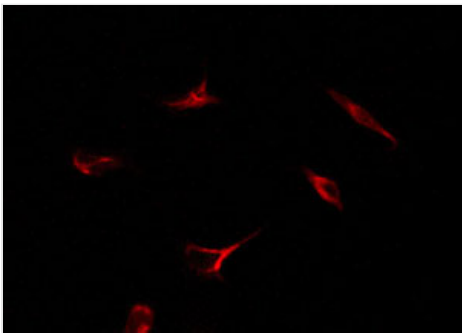
WB (Western Blot)

Western blot analysis of extracts from HepG2, using Estrogen Receptor-alpha Ab. Lane 1 was treated with the blocking peptide.



IHC (Immunohistochemistry)

AAA322162 at 1/100 staining Human breast cancer tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



IF (Immunofluorescence)

AAA322162 staining 293 by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25°C. The primary Ab was diluted at 1/200 and incubated with the sample for 1 hour at 37°C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary Ab.

ADDITIONAL INFORMATION

Related Product Information for anti-ESR1 antibody	Description: ER-alpha is a nuclear hormone receptor and transcription factor. Regulates gene expression and affects cellular proliferation and differentiation in target tissues. Two splicevariant isoforms have been described. Similarity: Composed of three domains: a modulating N-terminal domain, a DNA-binding domain and a C-terminal ligandbinding domain. The modulating domain, also known as A/B or AF-1 domain has a ligand-independent transactivation function. The C-terminus contains a ligand-dependent transactivation domain, also known as E/F or AF-2 domain which overlaps with the ligand binding domain. AF-1 and AF-2 activate transcription independently and synergistically and act in a promoter- and cell-specific manner. AF-1 seems to provide the major transactivation function in differentiated cells. Belongs to the nuclear hormone receptor family. NR3 subfamily.
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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; Q6MQQ9; Q9NU51; Q9UDZ7; Q9UIS7
Molecular Weight	66 kDa
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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Online datasheet: <https://stage.aaabiotech.com/polyclonal/estrogen-receptor-alpha-antibody-immunocytochemistry-immunofluorescence-immunohistochemistry-western-blot-elisa/322162>