

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

Recombinant Estrogen Receptor alpha Monoclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA178794	Rabbit	Human	Immunofluorescence, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

Estrogen Receptor alpha; Monoclonal Antibody; Recombinant Estrogen Receptor alpha Monoclonal Antibody; DKFZp686N23123; ER alpha; ER; ER-alpha; Era; ESR; ESR1; 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
Clonality	Monoclonal
Isotype	IgG
Clone Number	R05-1E4
Purity/Purification	Affinity Purified
Form/Format	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% protective protein
Concentration	300ug/mL (varies by lot)
Applicable Applications for anti-ESR1 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthetic peptide of human Estrogen Receptor alpha
Research Area	Cancer, Epigenetics and Nuclear Signaling, Neuroscience, Signal Transduction
Preparation and Storage	Storage: -20 degree C/One year. Avoid freeze/thaw cycles.

IMAGES



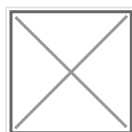
IF (Immunofluorescence)

Immunofluorescence of Estrogen Receptor alpha (green) in MCF-7 using Estrogen Receptor alpha antibody at dilution 1:20, and DAPI(blue)



IHC (Immunohistochemistry)

Immunohistochemistry of Estrogen Receptor alpha in paraffin-embedded Human breast cancer tissue using Estrogen Receptor alpha Rabbit mAb at dilution 1:50



WB (Western Blot)

Western blot detection of Estrogen Receptor alpha in K562,Hela cell lysates using Estrogen Receptor alpha Rabbit mAb(1:1000 diluted).Predicted band size:66kDa.Observed band size:66kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-ESR1 antibody	This gene encodes an estrogen receptor, a ligand-activated transcription factor composed of several domains important for hormone binding, DNA binding, and activation of transcription. The protein localizes to the nucleus where it may form a homodimer or a heterodimer with estrogen receptor 2. Estrogen and its receptors are essential for sexual development and reproductive function, but also play a role in other tissues such as bone. Estrogen receptors are also involved in pathological processes including breast cancer, endometrial cancer, and osteoporosis. Alternative splicing results in several transcript variants, which differ in their 5' UTRs and use different promoters.
Product Categories/Family for anti-ESR1 antibody	Antibodies ; Primary Antibodies ; Recombinant Antibody

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	66,216 Da
NCBI Official Full Name	estrogen receptor
NCBI Official Synonym Full Names	estrogen receptor 1
NCBI Official Symbol	ESR1
NCBI Official Synonym Symbols	ER; ESR; Era; ESRA; NR3A1
NCBI Protein Information	estrogen receptor; ER-alpha; estradiol receptor; estrogen nuclear receptor alpha; estrogen receptor alpha E1-E2-1-2; estrogen receptor alpha E1-N2-E2-1-2; estrogen receptor alpha delta 4 +49 isoform; nuclear receptor subfamily 3 group A member 1; estrogen
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/monoclonal/estrogen-receptor-alpha-antibody-clone-r05-1e4-immunofluorescence-immunohistochemistry-western-blot-elisa/178794>