

Rabbit ESR1 Polyclonal Antibody | anti-ESR1 antibody

ESR1 Antibody

CATALOG # AAA167014	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Western Blot
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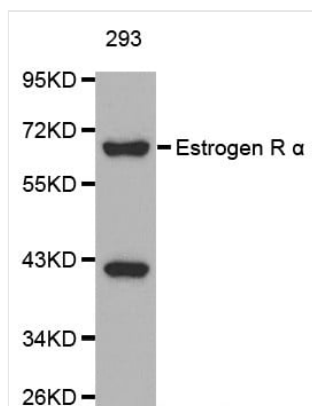
PRODUCT SYNONYMS

ESR1; Polyclonal Antibody; ESR1 Antibody; DKFZp686N23123; ER; ESR; ESRA; Era; NR3A1; Estrogen Receptor ?; anti-ESR1 antibody

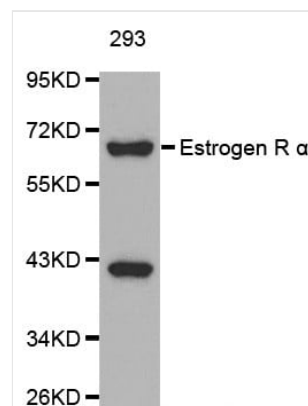
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Antigen affinity purification
Concentration	1mg/mL (varies by lot)
Sequence Length	229
Applicable Applications for anti-ESR1 antibody	WB (Western Blot)
Immunogen	Recombinant protein of human ESR1
Buffer	PBS with 0.02% sodium azide, 50% glycerol, pH7.3
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-542 / sc-543 / sc-544 / sc-7207
Preparation and Storage	Store at -20 degree C (regular) and -80 degree C (long term). Avoid freeze / thaw cycles.

IMAGES



Application Data



WB (Western Blot)

Western blot analysis of extracts of 293 cells, using Estrogen R ? antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-ESR1 antibody	Estrogen receptor alpha (ERalpha), a member of the steroid receptor superfamily, contains highly conserved DNA binding (DBD) and ligand binding domains (LBD) (1). Through its estrogen-independent and estrogen-dependent activation domains (AF-1 and AF-2, respectively), ERalpha regulates transcription by recruiting coactivator proteins and interacting with general transcriptional machinery (2). Phosphorylation provides an important mechanism to regulate ERalpha activity (3, 4). ERalpha is phosphorylated on multiple sites (5). Ser104, 106, 118 and 167 are located in the amino-terminal transcription activation function domain AF-1, and phosphorylation of these serines plays an important role in regulating ERalpha activity. Ser118 may be the substrate of the transcription regulatory kinase CDK7 (5). Ser167 may be phosphorylated by p90RSK and Akt (4, 6). Phosphorylation of Ser167 may confer tamoxifen resistance in breast cancer patients (4).
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NCBI AND UNIPROT INFORMATION

NCBI GI #	124111279
Molecular Weight	25,913 Da
NCBI Official Full Name	ESR1, partial
UniProt Protein Name	ESR1
UniProt Gene Name	ESR1
UniProt Entry Name	A2T781_PANTR

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://www.aaabiotech.com/polyclonal/esr1-antibody-western-blot-elisa/167014>