

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

Estrogen Receptor, alpha (Marker of Estrogen Dependence)

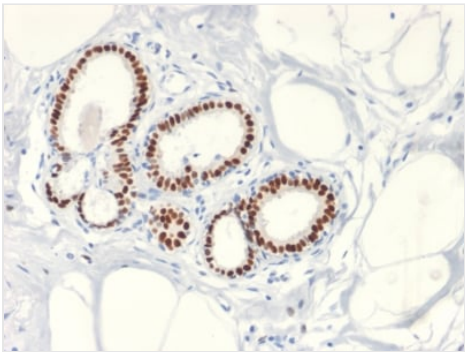
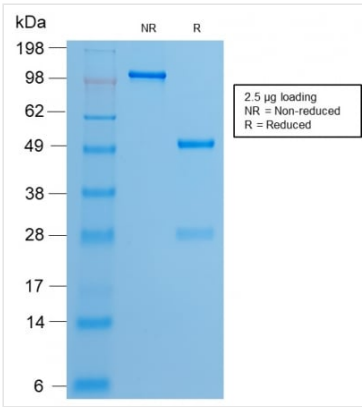
CATALOG # AAA62970	HOST Rabbit	REACTIVITY Human. Others not known.	APPLICATIONS Immunohistochemistry
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PRODUCT SYNONYMS

Estrogen Receptor; alpha; Monoclonal Antibody; alpha (Marker of Estrogen Dependence); Estrogen Receptor alpha delta 4*5; 6; 7*/654 isoform; Estrogen Receptor alpha delta 4 +49 isoform; Nuclear receptor subfamily 3 group A member 1; anti-ESR1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human. Others not known.
Clonality	Monoclonal
Isotype	IgG
Clone Number	ESR1/2299R
Specificity	This MAb is specific to ER alpha and shows minimal cross-reaction with other members of the family. ER is an important regulator of growth and differentiation in the mammary gland. Presence of ER in breast tumors indicates an increased likelihood of response to anti-estrogen (e.g. tamoxifen) therapy. This MAb is excellent for staining of formalin-fixed, paraffin-embedded breast carcinomas.
Form/Format	200ug/ml of Ab purified by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Sequence Length	595
Applicable Applications for anti-ESR1 antibody	IHC (Immunohistochemistry)
Immunogen	Recombinant full-length human Estrogen Receptor alpha protein
Cellular Localization	Nuclear
Hu-chromosome Location	6q25.1
Positive Control	MCF-7 Cells or Breast Cancers.
Preparation and Storage	Antibody with azide - store at 2 to 8 degree C. Antibody without azide - store at -20 to -80 degree C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.



IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded human Breast Carcinoma stained with Estrogen Receptor, alpha Rabbit Recombinant Monoclonal Antibody (ESR1/2299R).

SDS-PAGE
SDS-PAGE Analysis of Purified Estrogen Receptor, alpha Rabbit Recombinant Monoclonal Antibody (ESR1/2299R).

ADDITIONAL INFORMATION

References	Harvey JM, et. al. Journal of Clinical Oncology 1999; 17(5), 1474-1481. Zafrani B, et. al. Histopathology 2000; 37(6), 536-545.
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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	~67kDa
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.