

Rabbit anti-Human ER Alpha/Estrogen Receptor Polyclonal Antibody | anti-ESR1 antibody

ER Alpha/Estrogen Receptor Rabbit anti-Human Polyclonal Antibody

CATALOG # AAA163185	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry
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PRODUCT SYNONYMS

ER Alpha/Estrogen Receptor; Polyclonal Antibody; ER Alpha/Estrogen Receptor Rabbit anti-Human Polyclonal Antibody; PathPlus ER Alpha/Estrogen Receptor Antibody; ESR1; Era; ERalpha; Estrogen receptor; ER-alpha; Estrogen receptor 1; NR3A1; ER; ESR; ESRA; Estrogen receptor alpha; anti-ESR1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Purity/Purification	Immunoaffinity purified
Form/Format	PBS, 0.1% Sodium Azide
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-ESR1 antibody	IHC (Immunohistochemistry)
Target	Human ER Alpha/Estrogen Receptor
Immunogen	LP-12687, synthetic peptide
Conjugation	Unconjugated
Family	NHR
Subfamily	NR3 Steroid receptor
Preparation and Storage	Aliquot and store undiluted at -20 degree C or below for up to 1 year. Can be stored undiluted at 4 degree C for up to 1 month. Avoid freeze-thaw cycles.

IMAGES



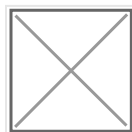
IHC (Immunohistochemistry)

ER Alpha/Estrogen Receptor Antibody-Human Uterus: Formalin-Fixed, Paraffin-Embedded (FFPE)



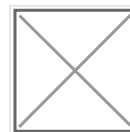
IHC (Immunohistochemistry)

ER Alpha/Estrogen Receptor Antibody-Human Breast, Carcinoma: Formalin-Fixed, Paraffin-Embedded (FFPE)



IHC (Immunohistochemistry)

ER Alpha/Estrogen Receptor Antibody-Human Breast Carcinoma: Formalin-Fixed, Paraffin-Embedded (FFPE)



IHC (Immunohistochemistry)

ER Alpha/Estrogen Receptor Antibody-Human Breast Carcinoma: Formalin-Fixed, Paraffin-Embedded (FFPE)



IHC (Immunohistochemistry)

ER Alpha/Estrogen Receptor Antibody-Human Breast Carcinoma: Formalin-Fixed, Paraffin-Embedded (FFPE)

ADDITIONAL INFORMATION

Related Product Information for anti-ESR1 antibody	Estrogen Receptor antibody is an unconjugated rabbit polyclonal antibody to Estrogen Receptor (ER Alpha) from human. Validated for IHC. ER (Estrogen receptor/ESR1) is a biomarker that is prognostic for breast cancer and predicts response to hormonal therapy. Estrogen receptor is a nuclear hormone receptor with nuclear staining in malignant breast cancer cells, and usually has higher levels of expression in Luminal A subtypes compared to others (Jeselsehn, 2015). Levels of expression of estrogen receptor are used in conjunction with progesterone receptor (PR), HER2 and Ki-67 expression levels to subtype breast cancers for different downstream treatments. Most breast cancers have positive expression of ER protein, primarily in luminal tissues where the luminal A subtype sees high levels of expression. Staining for this target is expected to be nuclear.
References	Nature reviews. Clinical oncology 2015 Jan; 12.1; 573-583, PMID: 26122181; World Journal of Clinical Oncology 2014 Aug; 5.3; 412-424, PMID:25114856;

NCBI AND UNIPROT INFORMATION

NCBI GI #	62821794
NCBI GeneID	2099
NCBI Accession #	NP_000116.2
NCBI GenBank Nucleotide #	NM_000125
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.