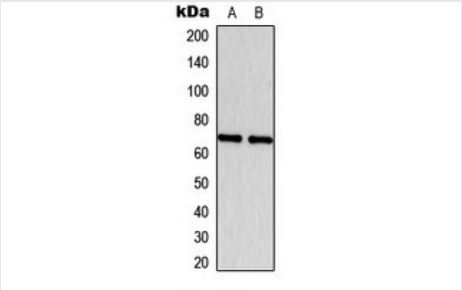
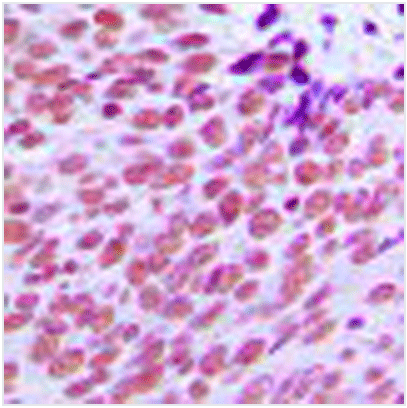
Estrogen Receptor Alpha (ESRA) Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

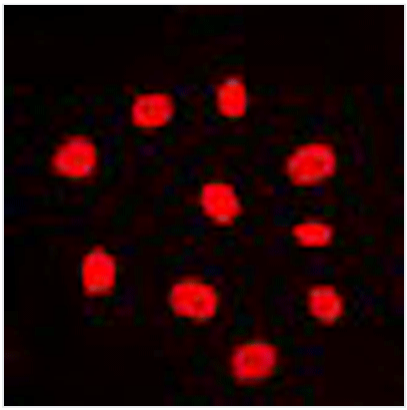
Product Name	Estrogen Receptor Alpha (ESRA), Polyclonal Antibody
Full Product Name	Estrogen Receptor Alpha Antibody
Product Gene Name	anti-ESRA antibody
Product Synonym Names	Purified Polyclonal Estrogen Receptor alpha Antibody; Polyclonal Estrogen Receptor alpha antibody; Anti-Estrogen Receptor alpha antibody; ESR antibody; NR3A1 antibody; Estrogen receptor antibody; ER antibody; ER-alpha antibody; Estradiol receptor antibody; Nuclear receptor subfamily 3 group A member 1 antibody
Clonality	Polyclonal
Host	Rabbit
Form/Format	Supplied in liquid form in 0.42% Potassium Phosphate, 0.87% Sodium Chloride, pH 7.3 with 30% Glycerol and 0.01% Sodium Azide
Concentration	1 mg/ml (lot specific)
Specificity	Recognizes endogenous levels of Estrogen Receptor alpha protein
Preparation and Storage	Upon receipt, aliquot and store at -20°C. Avoid repeat freeze/thaw cycles.
Immunogen	KLH-conjugated synthetic peptide encompassing a proprietary sequence within the C-terminal region of human Estrogen Receptor alpha
Cross-Reactivity	Mouse, Rat, Bovine, Chicken, Pig, Human
Product Categories/Family for anti-ESRA antibody	Signal Transduction
Applications Tested/Suitable for anti-ESRA antibody	Western Blot (WB), Immunohistochemistry (IHC), Immunofluorescence/Immunochemistry (IF/IC)
Application Notes for anti-ESRA antibody	WB: 1:500-1:1000 IHC: 1:100-1:20 IF/IC 1:100 - 1:500
Related Product Information for anti-ESRA antibody	Estrogen Receptor alpha regulates gene expression and affects cellular proliferation and differentiation in target tissues.
Other Notes	Small volumes of anti-ESRA antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for ESRA purchase	MBS5316152 is an antibody targeting ESRA. Also known as Estrogen Receptor Alpha Antibody. Host: Rabbit.



Western Blot (WB) of anti-ESRA antibody
Western blot analysis of Estrogen Receptor alpha expression in MCF7 (A); NIH3T3 (B) whole cell lysates.



Immunohistochemistry (IF) of anti-ESRA antibody
Immunohistochemical analysis of Estrogen Receptor Alpha staining in human breast cancer formalin fixed paraffin embedded tissue section. The section was pre-treated.



Immunofluoresence (IF) of anti-ESRA antibody

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for ESRA. It may not necessarily be applicable to this product.

NCBI GI #	5821726
NCBI GeneID	2099
UniProt Related Accession #	P03372
NCBI Official Full Name	estrogen receptor alpha, partial
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
NCBI Summary for ESRA	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 promoter usage and alternative splicing result in dozens of transcript variants, but the full-length nature of many of these variants has not been determined. [provided by RefSeq, Mar 2014]
Research Articles on ESRA	**1.** ESR1 (TA)(n) was on the borderline of statistical differences between groups. Microsatellite polymorphisms of gonadal steroid receptor genes might contribute to the genetic basis of POI in Serbian women.

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