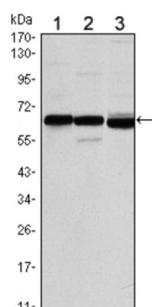
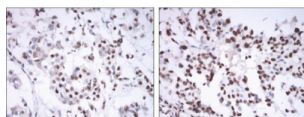


Estrogen Receptor (ESR1) Antibody

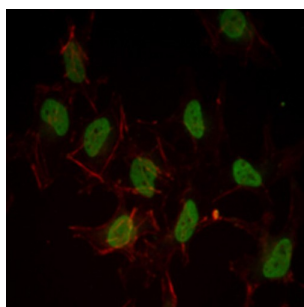
Catalogue No.: abx015850



Western blot analysis using ESR1 antibody against MCF-7 (1), T47D (2) and SKBR3 (3) cell lysate.



Immunohistochemical analysis of paraffin-embedded mammary cancer tissues using ESR1 antibody with DAB staining.



Immunofluorescence analysis of HeLa cells using ESR1 antibody (green). Red: Actin filaments have been labeled with AF555 phalloidin.

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.

Target: Estrogen Receptor (ESR1)

Clonality: Monoclonal

Reactivity: Human

Tested Applications: ELISA, WB, IHC, IF/ICC

Host: Mouse

Datasheet

Version: 4.0.0
Revision date: 04 Oct 2025



Recommended dilutions: ELISA: 1/10000, WB: 1/500 - 1/2000, IHC: 1/200 - 1/1000, IF/ICC: 1/200 - 1/1000. Optimal dilutions/concentrations should be determined by the end user.

Conjugation: Unconjugated

Immunogen: Purified recombinant fragment of human ESR1 expressed in E. coli.

Isotype: IgG₁

Form: Liquid

Purification: Unpurified ascites.

Storage: Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.

UniProt Primary AC: P03372 ([UniProt](#), [ExPASy](#))

Gene Symbol: ESR1

GeneID: [2099](#)

OMIM: [133430](#)

HGNC: 3467

KEGG: hsa:2099

Ensembl: ENSG00000091831

String: [9606.ENSP00000405330](#)

Molecular Weight: 66 kDa

Buffer: Ascitic fluid containing 0.03% sodium azide.

Concentration: Not determined.

Note: THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.