

Recombinant ER alpha/ESR1 Monoclonal Antibody

catalog number: **AN300296P**

Note: Centrifuge before opening to ensure complete recovery of vial contents.

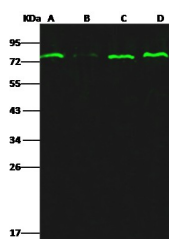
Description

Reactivity	Human
Immunogen	A synthetic peptide corresponding to the center region of the Human ER alpha/ESR1
Host	Rabbit
Isotype	IgG
Clone	B218
Purification	Protein A
Buffer	0.2 µm filtered solution in PBS

Applications Recommended Dilution

WB	1:500-1:2000
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Data



Western Blot with ER alpha/ESR1 Monoclonal Antibody at dilution of 1:500 dilution. Lane A: MCF7 Whole Cell Lysate, Lane B: HeLa Whole Cell Lysate, Lane C: Molt4 Whole Cell Lysate, Lane D: Raji Whole Cell Lysate, Lysates/proteins at 30 µg per lane.

Observed-MW:79 kDa

Calculated-MW:66 kDa

Preparation & Storage

Storage	This antibody can be stored at 2°C-8°C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20°C to -80°C. Preservative-Free. Avoid repeated freeze-thaw cycles.
Shipping	Ice bag

Background

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.

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