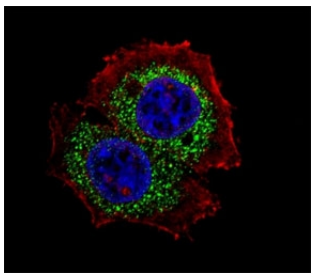
Estrogen Receptor Antibody (isoform 4) (F47480)

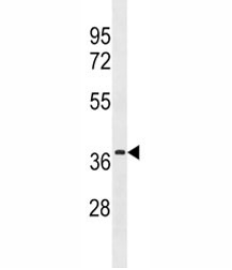
Catalog No.	Formulation	Size
F47480-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F47480-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity
UniProt	P03372-4
Applications	Western blot: 1:1000 Immunofluorescence: 1:10-1:50
Limitations	This Estrogen Receptor antibody (isoform 4) is available for research use only.



Fluorescent confocal image of MCF-7 cell stained with Estrogen Receptor antibody at 1:25. ER (isoform 4) immunoreactivity is localized to the cytoplasm.



Estrogen Receptor antibody (isoform 4) western blot analysis in MCF-7 lysate. Predicted molecular weight: 36 kDa.

Description

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 splicing results in several transcript variants, which differ in their 5' UTRs and use different promoters.

For a microarray-validated Estrogen receptor alpha antibody supporting high-specificity detection, see clone ESR1/3557.

Application Notes

Titration of the Estrogen Receptor antibody (isoform 4) may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 271-300 from the human protein was used as the immunogen for this Estrogen Receptor antibody (isoform 4).

Storage

Aliquot the Estrogen Receptor antibody (isoform 4) and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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