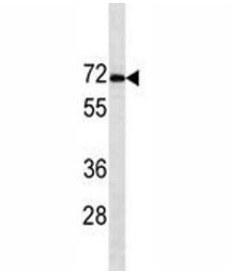
Estrogen Receptor alpha Antibody [clone 415CT16.3.2.1] (F40335)

Catalog No.	Formulation	Size
F40335-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F40335-0.08ML	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
Predicted Reactivity	Mouse, Rat, Bovine, Pig
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1
Clone Name	415CT16.3.2.1
Purity	Purified
UniProt	P03372
Applications	Western blot: 1:100-1:250
Limitations	This Estrogen Receptor alpha antibody is available for research use only.



Estrogen Receptor alpha antibody western blot analysis in MCF-7 lysate. Predicted molecular weight: 65-70 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 alpha antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 246-273 from the human protein was used as the immunogen for this Estrogen Receptor alpha antibody.

Storage

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

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