

Datasheet for ABIN5542593

anti-Estrogen Receptor alpha antibody (AA 2-185)

9 Images

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Overview

Quantity:	0.1 mg
Target:	Estrogen Receptor alpha (ESR1)
Binding Specificity:	AA 2-185
Reactivity:	Human, Rat
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This Estrogen Receptor alpha antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA, Flow Cytometry (FACS), Immunocytochemistry (ICC)

Product Details

Immunogen:	Purified recombinant fragment of human ESR1 (AA: 2-185) expressed in E. coli.
Clone:	6A6E8
Isotype:	IgG1
Purification:	purified

Target Details

Target:	Estrogen Receptor alpha (ESR1)
Alternative Name:	ESR1 (ESR1 Products)
Background:	Description: This gene encodes an estrogen receptor, a ligand-activated transcription factor

Target Details

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.,

Aliases: ER, ESR, Era, ESRA, ESTRR, NR3A1

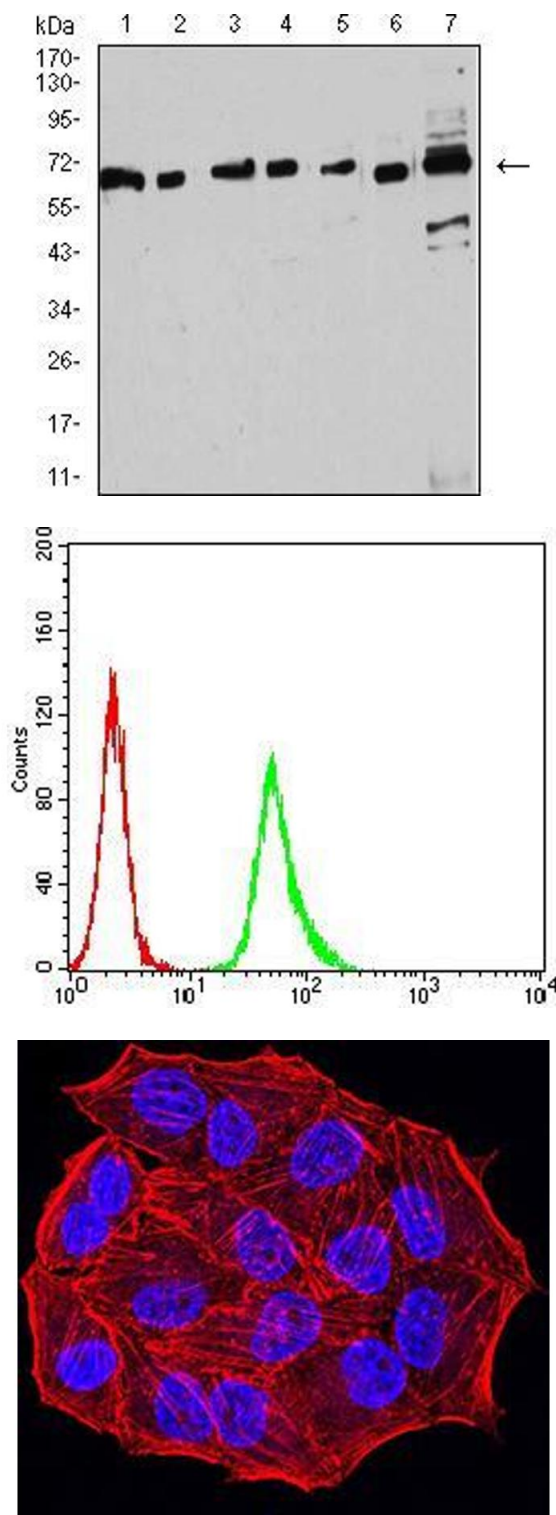
Molecular Weight:	66.2 kDa
Gene ID:	2099
HGNC:	2101
Pathways:	Nuclear Receptor Transcription Pathway , EGFR Signaling Pathway , Retinoic Acid Receptor Signaling Pathway , Intracellular Steroid Hormone Receptor Signaling Pathway , Steroid Hormone Mediated Signaling Pathway , Ribonucleoprotein Complex Subunit Organization , Ribosome Assembly

Application Details

Application Notes:	ELISA: 1:10000, WB: 1:500 - 1:2000, IHC: 1:200 - 1:1000, ICC: 1:200 - 1:1000, FCM: 1:200 - 1:400
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Purified antibody in PBS with 0.05 % sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C/-20 °C
Storage Comment:	4°C, -20°C for long term storage



Western Blotting

Image 1. Western blot analysis using ESR1 mouse mAb against MOLT4 (1), Raji (2), MCF-7 (3), T47D (4), SK-Br-3 (5), Hela (6), and C6 (7) cell lysate.

Flow Cytometry

Image 2. Flow cytometric analysis of Hela cells using ESR1 mouse mAb (green) and negative control (red).

Immunofluorescence

Image 3. Immunofluorescence analysis of Hela cells using ESR1 mouse mAb. Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor- 555 phalloidin.

Please check the [product details page](#) for more images. Overall 9 images are available for ABIN5542593.