

Datasheet for ABIN3020904

anti-Estrogen Receptor alpha antibody (AA 1-190)



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3 Images

Overview

Quantity:	100 µL
Target:	Estrogen Receptor alpha (ESR1)
Binding Specificity:	AA 1-190
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Estrogen Receptor alpha antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 1-190 of human ESRalpha (ESR1) (NP_000116.2).
Sequence:	MTMTLHTKAS GMALLHQIQG NELEPLNRPQ LKIPLERPLG EVYLDSSKPA VYNYPEGAAY EFNAAAAANA QVYGQTGLPY GPGSEAAAFG SNGLGGFPPL NSVSPSPLML LHPPPQLSPF LQPHGQQVPY YLENESPGYT VREAGPPAFY RPNSDNRRQG GRERLASTND KGSMAMESAK ETRYCAVCND
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

Target Details

Target:	Estrogen Receptor alpha (ESR1)
Alternative Name:	ESR1 (ESR1 Products)
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.,ESR1,ER,ESR,ESRA,ESTRR,Era,NR3A1,ER alpha,Epigenetics & Nuclear Signaling,Transcription Factors,Nuclear Receptor Signaling,Signal Transduction,MAPK-Erk Signaling Pathway,ESR1
Molecular Weight:	35 kDa/47 kDa/53 kDa/66 kDa
Gene ID:	2099
UniProt:	P03372
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:	WB,1:1000 - 1:4000
Restrictions:	For Research Use only

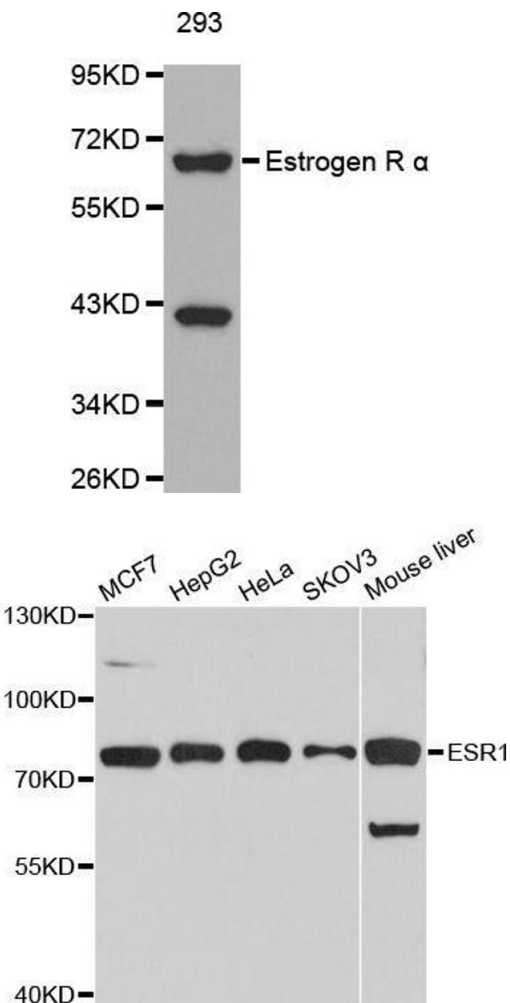
Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling

Handling Advice:	Avoid freeze / thaw cycles
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.

Images



Western Blotting

Image 1. Western blot analysis of extracts of 293 cells, using ESR1 antibody.

Western Blotting

Image 2. Western blot analysis of extracts of various cell lines, using ESR1 antibody.

Immunohistochemistry (Paraffin-embedded Sections)

Image 3. Immunohistochemistry of paraffin-embedded human breast cancer using ESR1 antibody.

