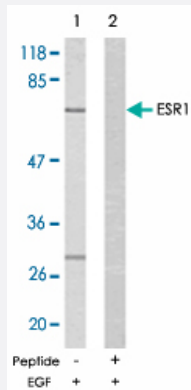


ESR1 polyclonal antibody

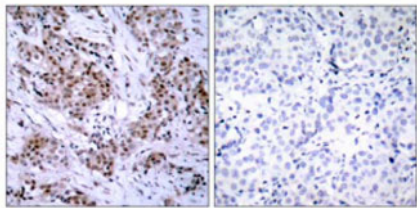
Catalog # PAB26655 Size 100 ug

Applications



Western Blot (Cell lysate)

Western blot analysis of extracts from MCF-7 cells using ESR1 polyclonal antibody (Cat # PAB26655).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using ESR1 polyclonal antibody (Cat # PAB26655).

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of ESR1.
Immunogen	A synthetic peptide corresponding to residues surrounding S167 of human ESR1.
Sequence	L-A-Sp-T-N
Host	Rabbit
Theoretical MW (kDa)	66
Reactivity	Human, Mouse

Form	Liquid
Purification	Affinity chromatography
Concentration	1 mg/mL
Isotype	IgG
Recommend Usage	Western Blot (1:500-1:1000) Immunohistochemistry (1:50-1:100) Immunofluorescence (1:100-1:200) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (without Mg ²⁺ and Ca ²⁺), 150 mM NaCl, pH 7.4 (50% glycerol, 0.02% sodium azide)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

Western blot analysis of extracts from MCF-7 cells using ESR1 polyclonal antibody (Cat # PAB26655).

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using ESR1 polyclonal antibody (Cat # PAB26655).

- Immunofluorescence

Gene Info — ESR1

Entrez GeneID	2099
Protein Accession#	P03372
Gene Name	ESR1
Gene Alias	DKFZp686N23123, ER, ESR, ESRA, Era, NR3A1
Gene Description	estrogen receptor 1
Omim ID	133430 157300 608446

Gene Ontology

[Hyperlink](#)

Gene Summary

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. [provided by RefSeq]

Other Designations

OTTHUMP00000017718|OTTHUMP00000017719|estrogen receptor alpha

Publication Reference

- [Estrogen modulation of pain perception with a novel 17 \$\beta\$ -estradiol pretreatment regime in ovariectomized rats.](#)

Zhang W, Wu H, Xu Q, Chen S, Sun L, Jiao C, Wang L, Fu F, Feng Y, Qian X, Chen X.

Biology of Sex Differences 2020 Jan; 11(1):2.

Application: IHC-Fr, WB-Ti, Rat, Rat lumbar spinal cords

Disease

- [Abortion](#)
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- [Alzheimer disease](#)
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- [Antisocial Personality Disorder](#)
- [Aortic Aneurysm](#)
- [Arteriosclerosis](#)
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- [Asperger Syndrome](#)

- [Asthma](#)
- [Atherosclerosis](#)
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- [Depression](#)

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- [Retinopathy of Prematurity](#)
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- [Spinal Osteophytosis](#)
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- [Thalassemia](#)
- [Thrombophilia](#)
- [Thrombosis](#)
- [Thyroid Neoplasms](#)
- [Tobacco Use Disorder](#)
- [Tooth Loss](#)
- [Urinary Bladder Neoplasms](#)
- [Urinary Calculi](#)
- [Uterine Diseases](#)
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- [Venous Thrombosis](#)
- [Vertigo](#)
- [Vision Disorders](#)
- [Vitiligo](#)
- [Weight Gain](#)
- [Werner syndrome](#)
- [Yang Deficiency](#)
- [Yin Deficiency](#)