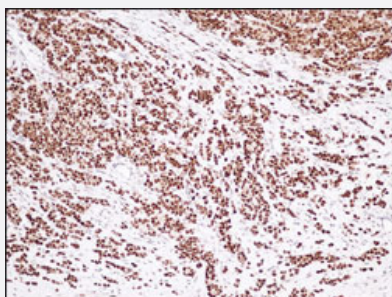


ESR1 monoclonal antibody, clone S21-V

Catalog # MAB15942 Size 200 uL

Applications



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

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human mucinous breast carcinoma with ESR1 monoclonal antibody, clone S21-V (Cat # MAB15942).

Specification

Product Description	Rabbit monoclonal antibody raised against synthetic peptide of human ESR1.
Immunogen	A synthetic peptide corresponding to C-terminus of human ESR1.
Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	EVAC purification
Recommend Usage	Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:100-1:200) The optimal working dilution should be determined by the end user.
Storage Buffer	In 20 mM Tris-HCl buffer, pH 8.0 (20 mg/mL BSA, 0.05% Sodium Azide).
Storage Instruction	Store at 4°C. Do not freeze.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

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

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human mucinous breast carcinoma with ESR1 monoclonal antibody, clone S21-V (Cat # MAB15942).

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

- [Immunolocalization of sclerostin synthesized by osteocytes in relation to bone remodeling in the interradicular septa of ovariectomized rats.](#)

Guo Y, Li M, Zhusheng L, Yamada T, Sasaki M, Hasegawa T, Hongo H, Tabata C, Suzuki R, Oda K, Yamamoto T, Kawanami M, Amizuka N.

Journal of Electron Microscopy 2012 Jul; 61(5):309.

Application: IHC-P, Rat, Rat interradicular septa

Disease

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- [Alveolar Bone Loss](#)
- [Alzheimer disease](#)
- [Amphetamine-Related Disorders](#)
- [Anorexia Nervosa](#)
- [Antisocial Personality Disorder](#)
- [Aortic Aneurysm](#)
- [Arteriosclerosis](#)
- [Arthritis](#)
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- [Bone Diseases](#)

- [Bone Neoplasms](#)
- [Bone Resorption](#)
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- [Breast Neoplasms](#)
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- [Disease Progression](#)
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- [Spinal Osteophytosis](#)
- [Stomach Neoplasms](#)
- [Stress](#)
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- [Substance-Related Disorders](#)
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- [Testicular Neoplasms](#)
- [Thalassemia](#)
- [Thrombophilia](#)
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- [Thyroid Neoplasms](#)
- [Tobacco Use Disorder](#)
- [Tooth Loss](#)
- [Urinary Bladder Neoplasms](#)
- [Urinary Calculi](#)

- [Uterine Diseases](#)
- [Uterine Neoplasms](#)
- [Varicose Ulcer](#)
- [Venous Thrombosis](#)
- [Vertigo](#)
- [Vision Disorders](#)
- [Vitiligo](#)
- [Weight Gain](#)
- [Werner syndrome](#)
- [Yang Deficiency](#)
- [Yin Deficiency](#)