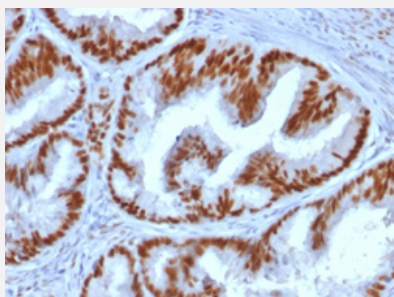


# ESR1 monoclonal antibody, clone ESR1/1935

Catalog # MAB21185      Size 100 ug

## Applications



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

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human endometrium cancer with ESR1 monoclonal antibody, clone ESR1/1935 (Cat # MAB21185).

## Specification

|                      |                                                                                                                                                                                      |
|----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Description  | Mouse monoclonal antibody raised against full length recombinant human ESR1.                                                                                                         |
| Immunogen            | Recombinant protein corresponding to full length human ESR1.                                                                                                                         |
| Host                 | Mouse                                                                                                                                                                                |
| Theoretical MW (kDa) | ~67                                                                                                                                                                                  |
| Reactivity           | Human                                                                                                                                                                                |
| Form                 | Liquid                                                                                                                                                                               |
| Purification         | Protein A/G purification                                                                                                                                                             |
| Isotype              | IgG2a, kappa                                                                                                                                                                         |
| Recommend Usage      | Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1-2 ug/mL)<br>Western Blot (0.5-1 ug/mL)<br>The optimal working dilution should be determined by the end user. |
| Storage Buffer       | In 10 mM PBS (0.05% BSA, 0.05% sodium azide).                                                                                                                                        |
| Storage Instruction  | Store at 4°C.                                                                                                                                                                        |

**Note**

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Applications

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

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human endometrium cancer with ESR1 monoclonal antibody, clone ESR1/1935 (Cat # MAB21185).

## 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

## Disease

- [Abortion](#)
- [Acute Disease](#)

- [Adenocarcinoma](#)
- [Alveolar Bone Loss](#)
- [Alzheimer disease](#)
- [Amphetamine-Related Disorders](#)
- [Anorexia Nervosa](#)
- [Antisocial Personality Disorder](#)
- [Aortic Aneurysm](#)
- [Arteriosclerosis](#)
- [Arthritis](#)
- [Asperger Syndrome](#)
- [Asthma](#)
- [Atherosclerosis](#)
- [Atrial Fibrillation](#)
- [Atrophy](#)
- [Autistic Disorder](#)
- [Azoospermia](#)
- [beta-Thalassemia](#)
- [Biliary Tract Neoplasms](#)
- [Bipolar Disorder](#)
- [Body Weight](#)
- [Bone Diseases](#)
- [Bone Neoplasms](#)
- [Bone Resorption](#)
- [Borderline Personality Disorder](#)
- [Brain Ischemia](#)
- [Breast cancer](#)

- [Breast Neoplasms](#)
- [Bronchial Hyperreactivity](#)
- [Bulimia](#)
- [Cadmium Poisoning](#)
- [Calcinosis](#)
- [Carcinoma](#)
- [Cardiomyopathy](#)
- [Cardiovascular Diseases](#)
- [Carotid Artery Diseases](#)
- [Carotid Stenosis](#)
- [Cell Transformation](#)
- [Cellulitis](#)
- [Cerebral Hemorrhage](#)
- [Cerebral Infarction](#)
- [Cerebrovascular Accident](#)
- [Child Behavior Disorders](#)
- [Cholestasis](#)
- [Chorioamnionitis](#)
- [Chronic Disease](#)
- [Cleft Lip](#)
- [Cleft Palate](#)
- [Cognition](#)
- [Cognition Disorders](#)
- [Colon cancer](#)
- [Colonic Neoplasms](#)
- [Colorectal Neoplasms](#)

- [Coronary Artery Disease](#)
- [Coronary Disease](#)
- [Coronary Restenosis](#)
- [Coronary Stenosis](#)
- [Coronary Thrombosis](#)
- [Cryptorchidism](#)
- [Cystic fibrosis](#)
- [Death](#)
- [Dementia](#)
- [Depression](#)
- [Depressive Disorder](#)
- [Diabetes Complications](#)
- [Diabetes Mellitus](#)
- [Diabetic Nephropathies](#)
- [Disease Progression](#)
- [Disease Susceptibility](#)
- [Diseases in Twins](#)
- [Down Syndrome](#)
- [Drug Hypersensitivity](#)
- [Ductus Arteriosus](#)
- [Dyskinesia](#)
- [Dyslipidemias](#)
- [Dysmenorrhea](#)
- [Edema](#)
- [Endometrial Neoplasms](#)
- [Endometriosis](#)

- [Esophageal Neoplasms](#)
- [Facial Pain](#)
- [Femoral Neck Fractures](#)
- [Fetal Membranes](#)
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- [Fractures](#)
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- [Graves Disease](#)
- [Heart Diseases](#)
- [Hepatitis B](#)
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- [Hyperlipidemias](#)
- [Hyperlipoproteinemia Type II](#)
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- [Hypersensitivity](#)
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- [Insulin Resistance](#)
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- [Leiomyomatosis](#)
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- [Lupus Nephritis](#)
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- [Lymphoma](#)
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- [Memory](#)
- [Menstruation Disturbances](#)
- [Mental Disorders](#)
- [Mental Status Schedule](#)
- [Metabolic Syndrome X](#)
- [Microsatellite Instability](#)
- [Migraine Disorders](#)
- [Migraine with Aura](#)

- [Migraine without Aura](#)
- [Mood Disorders](#)
- [Multiple Sclerosis](#)
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- [Myocardial Ischemia](#)
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- [Neoplasm Metastasis](#)
- [Neoplasm Recurrence](#)
- [Neoplasms](#)
- [Neuropsychological Tests](#)
- [Neurotic Disorders](#)
- [Obesity](#)
- [Obstetric Labor](#)
- [Oligospermia](#)
- [Ossification of Posterior Longitudinal Ligament](#)
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- [Osteonecrosis](#)
- [Osteoporosis](#)
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- [Ovarian Failure](#)
- [Ovarian Neoplasms](#)
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- [Personality Assessment](#)
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- [Scoliosis](#)

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- [Spinal Osteophytosis](#)
- [Stomach Neoplasms](#)
- [Stress](#)
- [Stroke](#)
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- [Temporomandibular Joint Disorders](#)
- [Tension-Type Headache](#)
- [Testicular Neoplasms](#)
- [Thalassemia](#)
- [Thrombophilia](#)
- [Thrombosis](#)
- [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](#)