

ESR1 rabbit monoclonal antibody

Catalog # H00002099-K Size 100 ug x up to 3

Specification

Product Description	Rabbit monoclonal antibody raised against a human ESR1 peptide using ARM Technology.
Immunogen	A synthetic peptide of human ESR1 is used for rabbit immunization. Customer or Abnova will decide on the preferred peptide sequence.
Host	Rabbit
Library Construction	Non-fusion antibody library from rabbit spleen (ARM Technology).
Expression	Overexpression vector and transfection into 293H cell line.
Reactivity	Human
Purification	Protein A
Isotype	IgG
Quality Control Testing	Antibody reactive against human ESR1 peptide by ELISA and mammalian transfected lysate by Western Blot.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Deliverable	Up to three rabbit IgG clones of 100 ug each will be delivered to customer.
Note	1. Customer may provide cell or tissue lysate for antibody screening. 2. Rabbit monoclonal antibody generated by ARM technology is amenable to antibody engineering including F(ab) ₂ , IgG, scFv and different Fc and non-Fc conjugates per customer request.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- ELISA

Gene Info — ESR1

Entrez GeneID	2099
GeneBank Accession#	ESR1
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

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- [Adenocarcinoma](#)
- [Alveolar Bone Loss](#)
- [Alzheimer disease](#)
- [Amphetamine-Related Disorders](#)
- [Anorexia Nervosa](#)
- [Antisocial Personality Disorder](#)

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- [Arteriosclerosis](#)
- [Arthritis](#)
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- [Asthma](#)
- [Atherosclerosis](#)
- [Atrial Fibrillation](#)
- [Atrophy](#)
- [Autistic Disorder](#)
- [Azoospermia](#)
- [beta-Thalassemia](#)
- [Biliary Tract Neoplasms](#)
- [Bipolar Disorder](#)
- [Body Weight](#)
- [Bone Diseases](#)
- [Bone Neoplasms](#)
- [Bone Resorption](#)
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- [Breast cancer](#)
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- [Cardiovascular Diseases](#)
- [Carotid Artery Diseases](#)
- [Carotid Stenosis](#)
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- [Cerebral Hemorrhage](#)
- [Cerebral Infarction](#)
- [Cerebrovascular Accident](#)
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- [Chorioamnionitis](#)
- [Chronic Disease](#)
- [Cleft Lip](#)
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- [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](#)
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- [Edema](#)
- [Endometrial Neoplasms](#)
- [Endometriosis](#)
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- [Facial Pain](#)
- [Femoral Neck Fractures](#)
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- [Fractures](#)

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- [Glaucoma](#)
- [Glomerulonephritis](#)
- [Graft vs Host Disease](#)
- [Graves Disease](#)
- [Heart Diseases](#)
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- [Hip Dislocation](#)
- [Hip Fractures](#)
- [Hot Flashes](#)
- [Hyperlipidemias](#)
- [Hyperlipoproteinemia Type II](#)
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- [Insulin Resistance](#)

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- [Mental Disorders](#)
- [Mental Status Schedule](#)
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- [Microsatellite Instability](#)
- [Migraine Disorders](#)
- [Migraine with Aura](#)
- [Migraine without Aura](#)
- [Mood Disorders](#)
- [Multiple Sclerosis](#)
- [Myasthenia Gravis](#)
- [Myocardial Infarction](#)

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- [Osteoporosis](#)
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- [Retinopathy of Prematurity](#)
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- [Spinal Osteophytosis](#)
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- [Urinary Calculi](#)
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- [Venous Thrombosis](#)
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- [Vision Disorders](#)
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- [Weight Gain](#)
- [Werner syndrome](#)
- [Yang Deficiency](#)
- [Yin Deficiency](#)