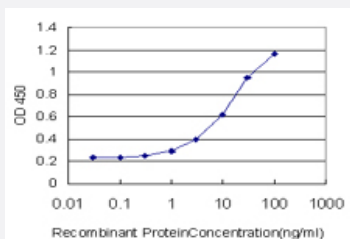


ESR2 monoclonal antibody (M01), clone 3F3

Catalog # H00002100-M01

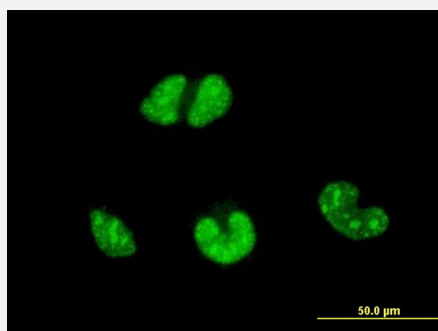
Size 100 ug

Applications



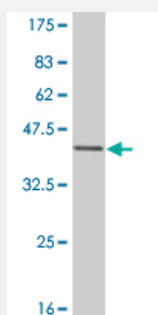
Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged ESR2 is approximately 0.3ng/ml as a capture antibody.



Immunofluorescence

Immunofluorescence of monoclonal antibody to ESR2 on HeLa cell . [antibody concentration 10 ug/ml]



Western Blot detection against Immunogen (36.74 KDa) .

Specification

Product Description

Mouse monoclonal antibody raised against a partial recombinant ESR2.

Immunogen	ESR2 (NP_001428, 22 a.a. ~ 121 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	ILPLEHGSMYPSSYVDSHHEYPAAMTFYSPAVMNYSIPSNVTNLEGGPGRQTTSPNVLWPTPGHLSP LVVHRQLSHLYAEPQKSPWCEARSLEHTLPVNR
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (84)
Isotype	IgG2b Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.74 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged ESR2 is approximately 0.3ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

- Immunofluorescence

Immunofluorescence of monoclonal antibody to ESR2 on HeLa cell . [antibody concentration 10 ug/ml]

Gene Info — ESR2

Entrez GeneID [2100](#)

GeneBank Accession# [NM_001437](#)

Protein Accession#	NP_001428
Gene Name	ESR2
Gene Alias	ER-BETA, ESR-BETA, ESRB, ESTRB, Erb, NR3A2
Gene Description	estrogen receptor 2 (ER beta)
Omim ID	601663
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a member of the family of estrogen receptors and superfamily of nuclear receptor transcription factors. The gene product contains an N-terminal DNA binding domain and C-terminal ligand binding domain and is localized to the nucleus, cytoplasm, and mitochondria. Upon binding to 17beta-estradiol or related ligands, the encoded protein forms homo- or hetero-dimers that interact with specific DNA sequences to activate transcription. Some isoforms dominantly inhibit the activity of other estrogen receptor family members. Several alternatively spliced transcript variants of this gene have been described, but the full-length nature of some of these variants has not been fully characterized. [provided by RefSeq]
Other Designations	estrogen receptor beta estrogen receptor beta 4

Publication Reference

- [Neonatal exposure to 17β-estradiol down-regulates the expression of synaptogenesis related genes in selected brain regions of adult female rats.](#)

Radhika NS, Govindaraj V, Sarangi SK, Rao AJ.

Life Sciences 2015 Nov; 141:1.

Application: WB, Rat, Brain

Disease

- [Abortion](#)
- [Adenocarcinoma](#)
- [Alzheimer disease](#)
- [Anorexia Nervosa](#)
- [Aortic Aneurysm](#)
- [Arthritis](#)

- [Asperger Syndrome](#)
- [Atherosclerosis](#)
- [Autistic Disorder](#)
- [Azoospermia](#)
- [Biliary Tract Neoplasms](#)
- [Bone Diseases](#)
- [Brain Ischemia](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Bulimia](#)
- [Calcinosis](#)
- [Carcinoma](#)
- [Cardiomyopathy](#)
- [Cardiovascular Diseases](#)
- [Cell Transformation](#)
- [Cellulitis](#)
- [Cerebrovascular Accident](#)
- [Chorioamnionitis](#)
- [Cleft Lip](#)
- [Cleft Palate](#)
- [Cognition Disorders](#)
- [Colon cancer](#)
- [Colonic Neoplasms](#)
- [Colorectal Neoplasms](#)
- [Coronary Artery Disease](#)
- [Coronary Stenosis](#)

- [Cryptorchidism](#)
- [Dementia](#)
- [Depressive Disorder](#)
- [Diabetes Complications](#)
- [Diabetes Mellitus](#)
- [Disease Progression](#)
- [Edema](#)
- [Endometrial Neoplasms](#)
- [Endometriosis](#)
- [Fetal Membranes](#)
- [Fractures](#)
- [Gallstones](#)
- [Gaucher disease](#)
- [Gender Identity](#)
- [Genetic Predisposition to Disease](#)
- [Germinoma](#)
- [Glaucoma](#)
- [Graft vs Host Disease](#)
- [Graves Disease](#)
- [Headache](#)
- [Hip Fractures](#)
- [Hot Flashes](#)
- [Hyperlipidemias](#)
- [Hypertension](#)
- [Hypertrophy](#)
- [Hypospadias](#)

- [Infertility](#)
- [Inflammation](#)
- [Kidney Failure](#)
- [Leiomyoma](#)
- [Liver Cirrhosis](#)
- [Low Tension Glaucoma](#)
- [Lung Neoplasms](#)
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- [Lymphatic Metastasis](#)
- [Lymphoma](#)
- [Menstruation Disturbances](#)
- [Metabolic Syndrome X](#)
- [Microsatellite Instability](#)
- [Migraine Disorders](#)
- [Mood Disorders](#)
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- [Neoplasms](#)
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- [Osteoarthritis](#)
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- [Ovarian Failure](#)
- [Ovarian Neoplasms](#)

- [Overweight](#)
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- [Peripheral Vascular Diseases](#)
- [Polycystic Ovary Syndrome](#)
- [Pre-Eclampsia](#)
- [Premature Birth](#)
- [Premenstrual Syndrome](#)
- [Prenatal Exposure Delayed Effects](#)
- [Prostate cancer](#)
- [Prostatic Neoplasms](#)
- [Psychiatric Status Rating Scales](#)
- [Puberty](#)
- [Pulmonary Disease](#)
- [Rectal Neoplasms](#)
- [Recurrence](#)
- [Schizophrenia](#)
- [Scleroderma](#)
- [Scoliosis](#)
- [Seminoma](#)
- [Social Perception](#)
- [Stomach Neoplasms](#)
- [Testicular Neoplasms](#)
- [Thrombophilia](#)
- [Tobacco Use Disorder](#)
- [Urinary Bladder Neoplasms](#)
- [Uterine Neoplasms](#)

- [Varicose Ulcer](#)
- [Venous Thrombosis](#)
- [Vision Disorders](#)
- [Werner syndrome](#)