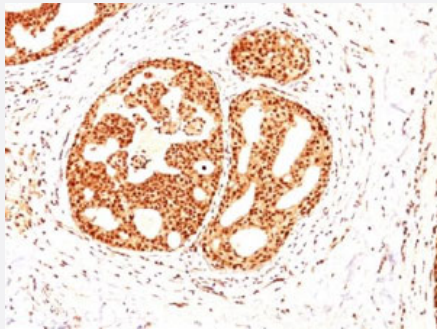


ESR2 monoclonal antibody, clone ESR2/686

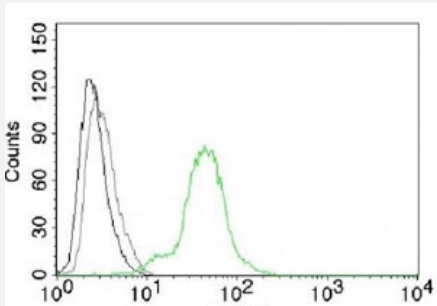
Catalog # MAB15176 Size 100 ug

Applications



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

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human breast carcinoma.



Flow Cytometry

Flow cytometric analysis of BT-474 cell line. Black: Cells alone. Grey: Isotype control. Green: AF488 labeled ESR2 monoclonal antibody, clone ESR2/686.

Specification

Product Description	Mouse monoclonal antibody raised against partial recombinant human ESR2.
Immunogen	Recombinant protein corresponding to C-terminus of human ESR2.
Host	Mouse
Reactivity	Human
Form	Liquid
Purification	Protein A/G purification
Isotype	IgG2a

Recommend Usage	Flow Cytometry (0.5-1 ug/million cells) Immunofluorescence (0.5-1 ug/mL) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (0.5-1 ug/mL) Western Blot (0.5-1 ug/mL) The optimal working dilution should be determined by the end user.
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Storage Buffer	In 10 mM PBS.
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Storage Instruction	Store at 4°C. For long term storage store at -20°C to -80°C. Aliquot to avoid repeated freezing and thawing.
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Applications

- Western Blot

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

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human breast carcinoma.

- Immunofluorescence

- Flow Cytometry

Flow cytometric analysis of BT-474 cell line. Black: Cells alone. Grey: Isotype control. Green: AF488 labeled ESR2 monoclonal antibody, clone ESR2/686.

Gene Info — ESR2

Entrez GeneID	2100
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Protein Accession#	Q92731
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Gene Name	ESR2
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Gene Alias	ER-BETA, ESR-BETA, ESRB, ESTRB, Erb, NR3A2
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Gene Description	estrogen receptor 2 (ER beta)
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Omim ID	601663
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Gene Ontology	Hyperlink
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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 17 β -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

- [Evaluation of seven oestrogen receptor beta antibodies for immunohistochemistry, western blotting, and flow cytometry in human breast tissue.](#)

Skirris GP, Parkes AT, Limer JL, Burdall SE, Carder PJ, Speirs V.

The Journal of Pathology 2002 Jun; 197(2):155.

Application: Flow Cyt, IHC-Fr, IHC-P, WB-Ce, Human, HCT-116 cells, Human breast tissues, HUVECs, MCF-7 cells, T-47D cells

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](#)
- [Lupus Erythematosus](#)
- [Lymphatic Metastasis](#)
- [Lymphoma](#)
- [Menstruation Disturbances](#)
- [Metabolic Syndrome X](#)
- [Microsatellite Instability](#)
- [Migraine Disorders](#)
- [Mood Disorders](#)
- [Myocardial Infarction](#)
- [Neoplasm Invasiveness](#)
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- [Obesity](#)
- [Obstetric Labor](#)
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- [Osteoporosis](#)
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- [Ovarian Failure](#)
- [Ovarian Neoplasms](#)
- [Overweight](#)
- [Parkinson disease](#)
- [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](#)
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- [Tobacco Use Disorder](#)
- [Urinary Bladder Neoplasms](#)
- [Uterine Neoplasms](#)
- [Varicose Ulcer](#)
- [Venous Thrombosis](#)
- [Vision Disorders](#)
- [Werner syndrome](#)