

Rabbit Estrogen Receptor beta Antibody | anti-Estrogen Receptor beta antibody

Estrogen Receptor beta

CATALOG # AAA71383	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Western Blot, ELISA
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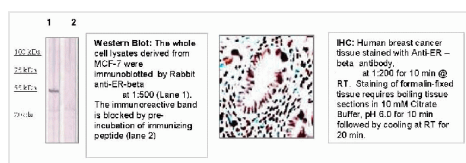
PRODUCT SYNONYMS

Estrogen Receptor beta; Rabbit anti-ER beta; anti-Estrogen Receptor beta antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Specificity	This antibody recognizes ~53 kDa of human estrogen receptor beta. It also reacts to mouse and rat. The other species are not tested.
Purity/Purification	The Rabbit IgG is purified by Epitope Affinity Purification.
Form/Format	This affinity purified antibody is supplied in sterile phosphatebuffered saline (pH7.2) containing antibody stabilizer
Concentration	Size: 100 ug/200 ul (varies by lot)
Applicable Applications for anti-Estrogen Receptor beta antibody	WB (Western Blot), ELISA
Antigen Preparation	A synthetic peptide corresponding to the c-terminus of human Estrogen Receptor Beta.
Positive Control	MCF-7
Cellular Location	Nuclear
Preparation and Storage	The antibodies are stable for 12 months from date of receipt when stored at -20 degree C to -70 degree C. The antibodies can be stored at 2 degree C-8 degree C for three month without detectable loss of activity. Avoid repeated freezing-thawing cycles.

IMAGES



Application Data

ADDITIONAL INFORMATION

Related Product Information for anti-Estrogen Receptor beta antibody

ER (estrogen receptor) belongs to a member of the steroid receptor superfamily. It contains highly conserved DNA binding (DBD) and ligand binding domains (LBD). The transcriptional effects of 17 β -estradiol (E2) in the body are mediated by two distinct ERs, ER-alpha and ER-beta. ER-alpha plays an important role in differentiation by regulating target genes such as that for the progesterone receptor (PR). Both the stroma and epithelium express PR, and estrogen induces PR in the stromal and glandular epithelial cells. ER-alpha and ER-beta may have opposite effects on gene transcription. ER-beta can act as a transdominant repressor on ER-alpha transcriptional activity. ER-beta acts as a modulator of ER-alpha-mediated gene transcription in the uterus, and furthermore, that it is responsible for down regulation of PR in the luminal epithelium.

References	Zhang W et al, Estrogen receptor (ER) beta, a modulator of ER alpha in the uterus. PNAS, 97 (11): 5936-5941. 2000
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NCBI AND UNIPROT INFORMATION

NCBI GI #	6166154
NCBI GeneID	2100
NCBI Accession #	Q92731.2
NCBI GenBank Nucleotide #	Q92731
UniProt Accession #	Q7LCB3; Q0PTK2; Q59F41; Q86U33; Q92731
Molecular Weight	53 kDa
NCBI Official Full Name	Estrogen receptor beta
NCBI Official Synonym Full Names	estrogen receptor 2 (ER beta)
NCBI Official Symbol	ESR2
NCBI Official Synonym Symbols	Erb; ESRB; ESTRB; NR3A2; ER-BETA; ESR-BETA
NCBI Protein Information	estrogen receptor beta; OTTHUMP00000180647; estrogen receptor beta 4; estrogen nuclear receptor beta variant a; estrogen nuclear receptor beta variant b; nuclear receptor subfamily 3 group A member 2
UniProt Protein Name	5p152
UniProt Gene Name	ESR2
UniProt Synonym Gene Names	NR3A2
UniProt Entry Name	Q7LCB3_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.