

Mouse anti-Human ER-beta (Estrogen Receptor beta-2) Monoclonal Antibody | anti-ESR2 antibody

ER-beta (Estrogen Receptor beta-2) Mouse Monoclonal Antibody [Clone 57/3]

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA215623	Mouse	Human	Immunohistochemistry, Western Blot, Immunofluorescence, Flow Cytometry, Functional Assay

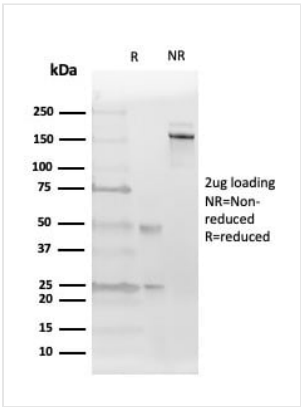
PRODUCT SYNONYMS

ER-beta (Estrogen Receptor beta-2); Monoclonal Antibody; ER-beta (Estrogen Receptor beta-2) Mouse Monoclonal Antibody [Clone 57/3]; Estrogen Receptor 2; Nuclear Receptor Subfamily 3 Group A Member 2 (NR3A2); Oestrogen Receptor Beta; Estrogen Receptor Beta; ER-BETA; ESTRB; anti-ESR2 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	Mouse/IgG1, kappa
Clone Number	57/3
Form/Format	200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Concentration	Purified Ab with BSA and Azide at 200ug/ml OR Purified Ab WITHOUT BSA and Azide at 1.0mg/ml (varies by lot)
Applicable Applications for anti-ESR2 antibody	IHC (Immunohistochemistry), WB (Western Blot), IF (Immunofluorescence), FCM/FACS (Flow Cytometry)
Immunogen	A synthetic peptide (CGMKMETLLPEATMEQ) from the C terminus of the human estrogen receptor beta 2 isomer
Cellular Localization	Nuclear
Positive Control	MCF-7 cells. Human testis tissue.
Hu-chromosome Location	14q23.2
Unigene	660607
Preparation and Storage	Antibody with azide: store at 2 to 8 degree C Antibody without azide: store at -20 to -80 degree C Antibody is stable for 24 months. Non-hazardous. No MSDS required.

IMAGES



SDS-PAGE
SDS-PAGE Analysis Purified Estrogen Receptor beta2 Mouse Monoclonal Antibody (57/3).
Confirmation of Integrity and Purity of Antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-ESR2 antibody	This MAb recognizes the estrogen receptor beta 2 isoform, expressed in cell nuclei of a range of human tissues including ovary, placenta, testis and vas deferens. No cross-reactivity is seen with estrogen receptor beta 1 isoform. 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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	94538325
NCBI GeneID	2100
NCBI Accession #	NP_001035365.1
NCBI GenBank Nucleotide #	NM_001040275.1
UniProt Accession #	Q92731; O60608; O60685; O60702; O60703; O75583; O75584; Q0MWT5; Q0MWT6; Q86Z31; Q9UEV6; A8K8K5
Molecular Weight	59,216 Da
NCBI Official Full Name	estrogen receptor beta isoform 2
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; 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	Estrogen receptor beta
UniProt Gene Name	ESR2
UniProt Synonym Gene Names	ESTRB; NR3A2; ER-beta
UniProt Entry Name	ESR2_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.

