

Mouse anti-Human ER-beta (Estrogen Receptor beta-5) Monoclonal Antibody | anti-ESR2 antibody

ER-beta (Estrogen Receptor beta-5) Mouse Monoclonal Antibody [Clone PPG5/25]

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA215624	Mouse	Human	Immunohistochemistry, Western Blot, Immunofluorescence

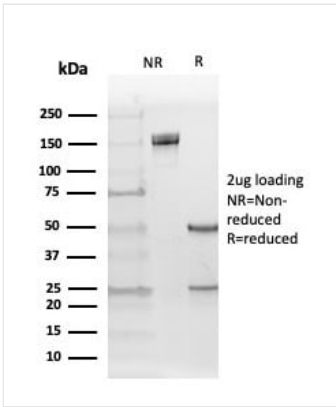
PRODUCT SYNONYMS

ER-beta (Estrogen Receptor beta-5); Monoclonal Antibody; ER-beta (Estrogen Receptor beta-5) Mouse Monoclonal Antibody [Clone PPG5/25]; 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	PPG5/25
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)
Immunogen	Tuberculin conjugated synthetic peptide (LLSHVRHARYAP); derived from the C-terminus of human Estrogen Receptor beta 5
Cellular Localization	Nuclear
Positive Control	HCT cells. Normal liver, colon or colon carcinoma.
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 ER-beta5 Mouse Monoclonal Antibody (PPG5/25). Confirmation of Integrity and Purity of Antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-ESR2 antibody	This MAb specifically recognizes human estrogen receptor beta 5 (ERB5), a splice variant of the nuclear receptor hormone ER beta (ESR2), shown to exist in at least five isoforms (ERB1-ERB5). No cross-reactivity is seen with estrogen receptor beta 1 or 2 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.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/er-beta-estrogen-receptor-beta-5-antibody-clone-ppg5-25-immunohistochemistry-western-blot-immunofluorescence-elisa/215624>