

Mouse ER-beta (Estrogen Receptor beta-1) Monoclonal Antibody | anti-ESR2 antibody

ER-beta (Estrogen Receptor beta-1) Mouse Monoclonal Antibody [Clone PGP5/10]

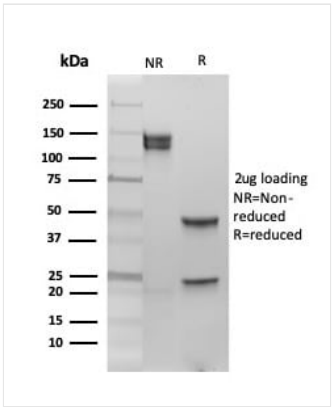
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA215622	Mouse	Human, Monkey, Mouse, Rat, Pig, Horse and Sheep.	Immunohistochemistry, Western Blot, Immunofluorescence, Flow Cytometry, Functional Assay

PRODUCT SYNONYMS

ER-beta (Estrogen Receptor beta-1); Monoclonal Antibody; ER-beta (Estrogen Receptor beta-1) Mouse Monoclonal Antibody [Clone PGP5/10]; Estrogen Receptor 2; Nuclear Receptor Subfamily 3 Group A Member 2 (NR3A2); Oestrogen Receptor Beta; ESTRB; anti-ESR2 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human, Monkey, Mouse, Rat, Pig, Horse and Sheep.
Clonality	Monoclonal
Isotype	Mouse/IgG2a, kappa
Clone Number	PGP5/10
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 (CEDSKSKEGSQNPQSQ) from the C terminus of the human estrogen receptor beta 1 isomer
Cellular Localization	Nuclear
Positive Control	MCF-7 cells. Ovarian, Breast, Bladder, Gastric or Salivary 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.



SDS-PAGE
SDS-PAGE Analysis Purified ER-beta1 Mouse Monoclonal Antibody (PPG5/10). Confirmation of Integrity and Purity of Antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-ESR2 antibody	Estrogen receptors (ER) are members of the steroid/thyroid hormone receptor superfamily of ligand-activated transcription factors. Estrogen receptors, including ER-alpha and ER-beta, contain DNA binding and ligand binding domains and are critically involved in regulating the normal function of reproductive tissues. They are located in the nucleus, though some estrogen receptors associate with the cell surface membrane and can be rapidly activated by exposure of cells to estrogen. ER-alpha and ER-beta are differentially activated by various ligands. Receptor-ligand interactions trigger a cascade of events, including dissociation from heat shock proteins, receptor dimerization, phosphorylation and the association of the hormone activated receptor with specific regulatory elements in target genes. Evidence suggests that ER-alpha and ER-beta may be regulated by distinct mechanisms even though they share many functional characteristics.
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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-1-antibody-clone-pgp5-10-immunohistochemistry-western-blot-immunofluorescence-flow-cytometry-elisa/215622>