



Anti-ESR2 (aa 22-121) polyclonal antibody (DPAB-DC905)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	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. 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.
Immunogen	ESR2 (NP_001428, 22 a.a. ~ 121 a.a) partial recombinant protein with GST tag. The sequence is ILPLEHGSIYIPSSYVDSHHEYPAMTFYSPA VMNYSIPS NVTNLEGGPGRQTTSPNVLWP TPGHLSPVVHRQLSHLYAEPQKSPWCEARSLEHTLPVNR
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Cell lysate), ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	ESR2 estrogen receptor 2 (ER beta) [Homo sapiens (human)]
Official Symbol	ESR2
Synonyms	ESR2; estrogen receptor 2 (ER beta); Erb; ESRB; ESTRB; NR3A2; ER-BETA; ESR-BETA; estrogen receptor beta; estrogen receptor beta 4; nuclear receptor subfamily 3 group A member 2;
Entrez Gene ID	2100
Protein Refseq	NP_001035365
UniProt ID	F1D8N3
Chromosome Location	14q23.2
Pathway	Estrogen signaling pathway; Generic Transcription Pathway; Nuclear Receptor transcription pathway; Ovarian Infertility Genes
Function	DNA binding; core promoter sequence-specific DNA binding; enzyme binding; estrogen receptor activity