



ERR3 Polyclonal Antibody

Catalog No	YP-Ab-07072
Isotype	IgG
Reactivity	Human;Rat;Mouse
Applications	WB;ELISA
Gene Name	ESRRG ERR3 ERRG2 KIAA0832 NR3B3
Immunogen	Synthesized peptide derived from part region of human protein
Specificity	ERR3 Polyclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000 ELISA 1:5000-20000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	ERR-gamma;ERR3;ERRg;ERRgamma;NR3B3;mKIAA0832;esrrg; ERR3_HUMAN;ERR gamma-2;Estrogen receptor-related protein 3;Nuclear receptor subfamily 3 group B member 3;ERRG2;KIAA0832;ERR3_MOUSE; ERR3_RAT;ESRRG ERR3 ERRG2 KIAA0832 NR3B3;Estrogen-related receptor gamma (ERR gamma-2) (Estrogen receptor-related protein 3) (Nuclear receptor subfamily 3 group B member 3)
Observed Band	50 kDa
Calculated Molecular Weight	51 kDa
Cell Pathway	Nucleus .
Tissue Specificity	Expressed in the heart, kidney, brain, lung, bone marrow, adrenal gland, trachea, spinal cord and thyroid gland.
Function	developmental stage:Expressed at high levels in fetal brain and also in the fetal kidney, lung and liver.,function:Orphan receptor that acts as transcription activator in the absence of bound ligand. Binds specifically to an estrogen response element and activates reporter genes controlled by estrogen response elements.,miscellaneous:No physiological activating ligand is known for this orphan receptor, but 4-hydroxytamoxifen and diethylstilbestrol act as inverse agonists and deactivate ESRRG.,PTM:Phosphorylation on Ser-45 enhances



sumoylation on Lys-40 thus repressing transcriptional activity.,PTM:Sumoylation on Lys-40 is enhanced by phosphorylation at Ser-45 and represses transcriptional activity.,sequence caution:Contaminating sequence. Potential poly-A sequence.,similarity:Belongs to the nuclear hormone receptor family. NR3 subfamily.,similarity:Contains 1 nuclear receptor DNA-binding

Background

This gene encodes a member of the estrogen receptor-related receptor (ESRR) family, which belongs to the nuclear hormone receptor superfamily. All members of the ESRR family share an almost identical DNA binding domain, which is composed of two C4-type zinc finger motifs. The ESRR members are orphan nuclear receptors; they bind to the estrogen response element and steroidogenic factor 1 response element, and activate genes controlled by both response elements in the absence of any ligands. The ESRR family is closely related to the estrogen receptor (ER) family. They share target genes, co-regulators and promoters, and by targeting the same set of genes, the ESRRs seem to interfere with the ER-mediated estrogen response in various ways. It has been reported that the family member encoded by this gene functions as a transcriptional activator of DNA cytosine-5-methyltransferases 1 (Dnmt1) expe

matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images