



Rabbit Anti-Estrogen Related Receptor beta antibody

SL6212R

Product Name:	Estrogen Related Receptor beta
Chinese Name:	雌激素相关受体β抗体
Alias:	Err 2; ERR b; ERR B2; ERR beta 2; ERR beta; Err2; ERRB 2; ERRb; ERRB2; ERRbeta 2; ERRbeta; ESR L2; ESRL 2; ESRL2; ESRRB; Estrogen receptor like 2; Estrogen receptor related 2; Estrrb; Nr3b2; Nuclear receptor ERRB2; Orphan nuclear receptor; Steroid hormone receptor ERR 2; Steroid hormone receptor ERR2; ERR2_HUMAN.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Chicken,Dog,Pig,Cow,Horse,Rabbit,Guinea Pig,
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	56kDa
Cellular localization:	The nucleus
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human Estrogen Related Receptor beta:131-230/508
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	Estrogen related receptor beta, a NR3 Steroid Receptor, has been shown to affect early

placental development. Also it can act as a repressor of transcriptional activity mediated by the glucocorticoid receptor (GR). It binds as a monomer to the extended half-site TNAAGTGCA and as a homodimer to the estrogen response element (ERE), palindromic thyroid hormone response element (TRE(pal)), and SF-1 response element, but not to the glucocorticoid response element (GRE). Estrogen related receptor beta mutations lead to abnormal development of the chorion and defective diploid trophoblast proliferation, and are lethal during midgestation. Expression has been documented in mice in the extraembryonic ectoderm that gives rise to the chorion. ESTs have been isolated from normal human eye, lung, and testis libraries. The ligand for the receptor is PPARgamma coactivator 1 (PGC-1) beta.

Function:

Nuclear receptor that binds DNA as monomer.

Subunit:

Monomer.

Subcellular Location:

Nuclear

DISEASE:

Defects in ESRRB are the cause of deafness autosomal recessive type 35 (DFNB35) [MIM:608565]. DFNB35 is a form of sensorineural hearing loss. Sensorineural deafness results from damage to the neural receptors of the inner ear, the nerve pathways to the brain, or the area of the brain that receives sound information.

Similarity:

Belongs to the nuclear hormone receptor family. NR3 subfamily. Contains 1 nuclear receptor DNA-binding domain.

SWISS:

O95718

Gene ID:

2103

Database links:

[Entrez Gene: 490798](#)Dog

[Entrez Gene: 2103](#)Human

[Entrez Gene: 26380](#)Mouse

[Entrez Gene: 299210](#)Rat

[Omim: 602167](#)Human

[SwissProt: O95718](#)Human

[SwissProt: Q61539](#)Mouse

[SwissProt: P11475](#)Rat

[Unigene: 337489](#)Human

[Unigene: 435845](#)Human

[Unigene: 235550](#)Mouse

[Unigene: 104984](#)Rat

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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