

Anti-Estrogen Receptor/ESR1 Antibody Picoband® Biotin Conjugated

Catalog Number: PB9192-Biotin

About ESR1

Estrogen receptor alpha (ER-alpha), also known as NR3A1, is one of two main types of estrogen receptor, a nuclear receptor that is activated by the sex hormone estrogen. Estrogen receptors are involved in pathological processes including breast cancer, endometrial cancer, and osteoporosis. In humans, ER-alpha is encoded by the gene ESR1 (Estrogen Receptor 1). It is mapped to 6q25.1. This gene is a ligand-activated transcription factor composed of several domains important for hormone binding, DNA binding, and activation of transcription. The protein localizes to the nucleus where it may form a homodimer or a heterodimer with estrogen receptor 2. Estrogen and its receptors are essential for sexual development and reproductive function, it also play a role in other tissues such as bone.

Overview

Product Name	Anti-Estrogen Receptor/ESR1 Antibody Picoband® Biotin Conjugated
Reactive Species	Human
Clonality	Polyclonal
Formulation	Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na ₂ HPO ₄ , 0.02% NaN ₃ .
Storage Instructions	At -20°C for one year from date of receipt. Avoid repeated freezing and thawing.
Host	Rabbit
Uniprot ID	P03372

Technical Details

Immunogen	E.coli-derived human Estrogen Receptor recombinant protein (Position: F425-V595). Human Estrogen Receptor shares 89% and 88% amino acid (aa) sequences identity with mouse and rat Estrogen Receptor, respectively.
Cross Reactivity	No cross-reactivity with other proteins
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5 mg/mL
Purification	Immunogen affinity purified.
Conjugate	Biotin
Suggested Dilutions	The intended application should be selected according to the customer's experimental requirements.

5 Publications Citing This Product

1. PubMed ID: 25864222, Effects of estradiol on liver estrogen receptor- α and its mRNA expression in hepatic fibrosis in rats
2. PubMed ID: 29435117, An J, Liu T, She R, Wu Q, Tian J, Shi R, Hao W, Ren X, Yang Y, Lu Y, Yang Y, Wu Y. Oncotarget. 2017 Dec 17;9(4):4475-4484. doi: 10.18632/oncotarget.23381. eCollection 2018 Jan 12. Replication of hepatitis E virus in the ovary and promotion of oocy...
3. PubMed ID: 22101081, Fu Y, Zhao Z, Wu Y, Wu K, Xu X, Liu Y, Tong C. J Ethnopharmacol. 2012 Jan 6;139(1):26-33. Doi: 10.1016/J.Jep.2011.08.077. Epub 2011 Nov 10. Therapeutic Mechanisms Of Tongmai Dasheng Tablet On Tripterygium Glycosides Induced Rat Model For Premature...

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