

Anti-Glucocorticoid Receptor/NR3C1 Antibody Picoband® PE Conjugated

Catalog Number: PB9232-PE

About NR3C1

The glucocorticoid receptor (GR, or GCR), also known as NR3C1, is the receptor to which cortisol and other glucocorticoids bind. In humans, the GR protein is encoded by NR3C1 gene which is located on chromosome 5 (5q31). GR is expressed in almost every cell in the body and regulates genes controlling the development, metabolism, and immune response. Because the receptor gene is expressed in several forms, it has many different (pleiotropic) effects in different parts of the body. The activated GR complex up-regulates the expression of anti-inflammatory proteins in the nucleus or represses the expression of pro-inflammatory proteins in the cytosol (by preventing the translocation of other transcription factors from the cytosol into the nucleus).

Overview

Product Name	Anti-Glucocorticoid Receptor/NR3C1 Antibody Picoband® PE Conjugated
Reactive Species	Human
Application	Recommended applications are based on the parent unconjugated antibody (Flow Cytometry, IF, IHC, ICC, WB). Customers may select suitable applications according to their experimental needs.
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. Protect from light.
Host	Rabbit
Uniprot ID	P04150

Technical Details

Immunogen	E.coli-derived human NR3C1 recombinant protein (Position: M1-D373). Human NR3C1 shares 85% and 82% amino acid (aa) sequences identity with mouse and rat NR3C1, respectively.
Cross Reactivity	No cross-reactivity with other proteins
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5 mg/mL
Purification	Immunogen affinity purified.
Conjugate	PE Excitation Wavelength: 566 nm Emission Wavelength: 574 nm

Suggested Dilutions

Optimal dilutions should be determined by end users.

2 Publications Citing This Product

1. PubMed ID: -, Lifen Ma, Xiaozhen Tan, Jiaqi Li, Yang Long, Zhen Xiao, Ji De, Yan Ren, Haoming Tian, T.a.o. Chen, A Novel Glucocorticoid Receptor Mutation in Primary Generalized Glucocorticoid Resistance Disease, Endocrine Practice, Volume 26, Issue 6, 2020, 651-659, ISSN 1530-891X,

2. PubMed ID: 28754919, Sharma S, Maras JS, Das S, Hussain S, Mishra AK, Shasthry SM, Sharma CB, Weiss E, Elkrief L, Rautou PE, Gilgenkrantz H, Lotersztajn S, Paradis V, de la Grange P, Junot CO, Moreau R, Sarin SK. Sci Rep. 2017 Jul 28;7(1):6816. doi: 10.1038/s41598-017...

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