



Product Information Sheet

Polyclonal Anti-NTKLBP1 (Magnetic Bead Conjugate)

Catalogue No. PA1107-M	Immunogen A synthetic peptide corresponding to a sequence at the C-terminal of human GR, identical to the related rat and mouse sequence.
Lot No. 08F01	
Ig type: rabbit IgG1	Purification Immunogen affinity purified
Size: 100µg/Vial	Contents Each vial contains 1mg/ml Magnetic Bead in PBS, pH 7.2, 0.05mg NaN ₃ .
Specificity Human, mouse, rat. No cross reactivity with other proteins.	Storage Store at 4°C for frequent use.
Recommended application <i>Immunoprecipitation(IP)</i>	Description: This Antagene antibody is immobilized by the covalent reaction of hydrazinonicotinamide-modified antibody with formylbenzamide-modified magnetic beads. It is useful for immunoprecipitation

BACKGROUND

Glucocorticoid receptor (GR) maps to the distal long arm of chromosome 5. The human glucocorticoid receptor (hGR) gene contains a total of 10 exons and has a minimum size of 80 kilobases. The identification of complementary DNAs encoding the human glucocorticoid receptor (hGR) predicts two protein forms (alpha and beta; 777 and 742 amino acids long, respectively) which differ at their carboxy termini and both forms of the receptor are related, with respect to their domain structure, to the v-erb-A oncogene product of avian erythroblastosis virus (AEV), which suggests that steroid receptor genes and the c-erb-A proto-oncogene are derived from a common primordial regulatory gene. Transcriptional regulation by the glucocorticoid receptor (GR) is mediated by hormone binding, receptor dimerization, and coactivator recruitment.

REFERENCE

1. Encio, I. J.; Detera-Wadleigh, S. D. : The genomic structure of the human glucocorticoid receptor. *J. Biol. Chem.* 266: 7182-7188, 1991.
2. Weinberger, C.; Hollenberg, S. M.; Rosenfeld, M. G.; Evans, R. M. : Domain structure of human glucocorticoid receptor and its relationship to the v-erb-A oncogene product. *Nature* 318: 670-672, 1985.
3. Bledsoe, R. K.; Montana, V. G.; Stanley, T. B.; Delves, C. J.; Apolito, C. J.; McKee, D. D.; Consler, T. G.; Parks, D. J.; Stewart, E. L.; Willson, T. M.; Lambert, M. H.; Moore, J. T.; Pearce, K. H.; Xu, H. E. : Crystal structure of the glucocorticoid receptor ligand binding domain reveals a novel mode of receptor dimerization and coactivator recognition. *Cell* 110: 93-105, 2002.

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