



Product Information Sheet

Polyclonal Anti-CHRNA1 (Magnetic Bead Conjugate)

Catalogue No. PA1203-M

Immunogen

Lot No. 08L01

A synthetic peptide corresponding to a sequence at the N-terminal of human CHRNA1, identical to the related rat and mouse sequence.

Ig type: rabbit IgG1

Purification

Size: 100µg/Vial

Immunogen affinity purified

Specificity

Human, mouse, rat.

No cross reactivity with other proteins.

Contents

Each vial contains 1mg/ml Magnetic Bead in PBS, pH 7.2, 0.05mg NaN₃.

Storage

Store at 4°C for frequent use.

Recommended application

Immunoprecipitation(IP)

Description:

This Antagene antibody is immobilized by the covalent reaction of hydrazinonicotinamide-modified antibody with formylbenzamide-modified magnetic

BACKGROUND

CHRNA, also termed ACHRA, is mapped on 2q24-q32. This gene encodes the alpha subunit of the muscle acetylcholine receptor, which is the main target of pathogenic autoantibodies in autoimmune myasthenia gravis¹. The protein-coding sequence of the human alpha subunit gene is divided into 9 exons that correspond to different structural and functional domains of the precursor molecule².

REFERENCE

1. Giraud, M.; Taubert, R.; Vandiedonck, C.; Ke, X.; Levi-Strauss, M.; Pagani, F.; Baralle, F. E.; Eymard, B.; Tranchant, C.; Gajdos, P.; Vincent, A.; Willcox, N.; Beeson, D.; Kyewski, B.; Garchon, H.-J. : An IRF8-binding promoter variant and AIRE control CHRNA1 promiscuous expression in thymus. *Nature* 448: 934-937, 2007.
2. Noda, M.; Furutani, Y.; Takahashi, H.; Toyosato, M.; Tanabe, T.; Shimizu, S.; Kikuyotani, S.; Kayano, T.; Hirose, T.; Inayama, S.; Numa, S. : Cloning and sequence analysis of calf cDNA and human genomic DNA encoding alpha-subunit precursor of muscle acetylcholine receptor. *Nature* 305: 818-823, 1983.

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Contact: Antagene, Inc. | Tel: 1 (866) 964-2589 | Fax: 1 (888) 225-1868 | Email: Info@antageneinc.com