Product Information Sheet

Polyclonal Anti-CHRNα1

Catalogue No. PA1203

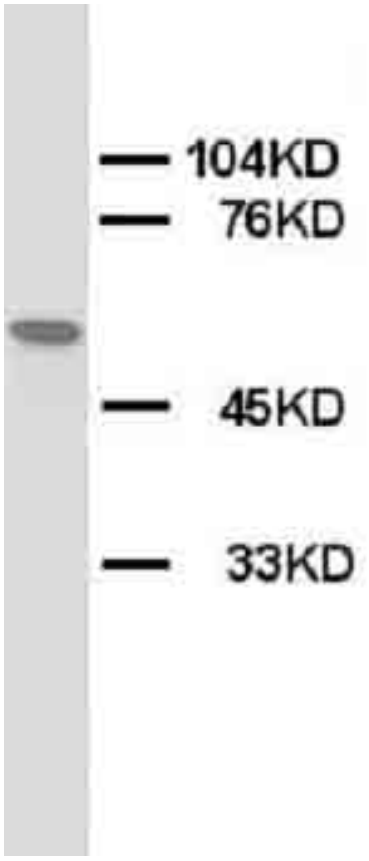
Lot No. 08L01

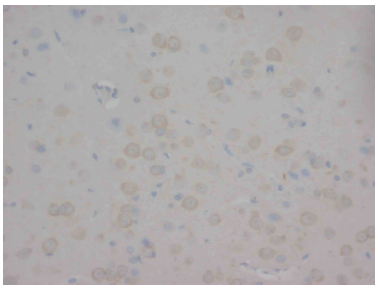
Ig type rabbit IgG

Size 100μg/vial

Specificity
Human, mouse, rat.
No cross reactivity with other proteins.

Recommended application
Western blot
Immunohistochemistry(P)





Immunogen
A synthetic peptide corresponding to a sequence at the N-terminal of human CHRNα1, identical to the related rat and mouse sequence.

Purity
Immunogen affinity purified.

Application

	Concen-tration	Tested Species	Concluded Species	Antigen Retrieval
WB	0.75μg/ml	Hu, Rat	Ms	-
IHC-P	1-2μg/ml	Rat	Ms	By Heat
IHC-F	-	-	-	-
ICC	-	-	-	-

Other applications have not been tested.
Optimal dilutions should be determined by end user.

To reorder contact us at:
Antagene, Inc.
Toll Free: 1(866)964-2589
email: Info@antageneinc.com

Contents

Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na_2HPO_4, 0.05mg Thimerosal, 0.05mg NaN_3.

Reconstitution

0.2ml of distilled water will yield a concentration of 500µg/ml.

Storage

At -20˚C for one year. After reconstitution, at 4˚C for one month. It can also be aliquotted and stored frozen at -20˚C for longer time.

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 gravis[1]. The protein-coding sequence of the human alpha subu gene is divided into 9 exons that correspond to different structural and functional domains of the precursor molecule[2].

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.; Kikyotani, 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.