

CHRNA7/CHRFAM7A Polyclonal antibody

Catalog Number: 21586-1-AP

Featured Product

Basic Information

Catalog Number:

21586-1-AP

Size:

133 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG16151

GenBank Accession Number:

BC101348

GeneID (NCBI):

89832

UNIPROT ID:

Q494W8

Full Name:

CHRNA7 (cholinergic receptor, nicotinic, alpha 7, exons 5-10) and FAM7A (family with sequence similarity 7A, exons A-E) fusion

Calculated MW:

412 aa, 46 kDa

Observed MW:

46 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:200-1:1000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human

Positive Controls:

WB : Jurkat cells,

Background Information

Neuronal acetylcholine receptor subunit alpha-7, encoded by the CHRNA7 gene, is involved in cognition through interneuron modulation of 4-(2-aminoethyl)benzene-1,2-diol and glutamate signaling. CHRNA7 gene is genetically linked to multiple disorders with cognitive deficits. A partial duplication of CHRNA7 (CHRFAM7A) is found in humans. CHRFAM7A gene encodes the CHRNA7-FAM7A fusion protein. Expression of CHRFAM7A has been reported in brain, peripheral blood lymphocytes (PBLs), and a broad range of epithelial cells (PMID: 21718690; 23553139; 25681457). CHRFAM7A has been associated with many neuropsychiatric disorders (PMID: 25906356; 25701707). This antibody, raised against 241-386 amino acids of human CHRFAM7A protein, recognizes both CHRNA7 and CHRFAM7A.

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

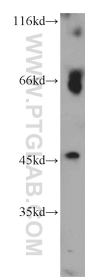
For technical support and original validation data for this product please contact:

T: 4006900926

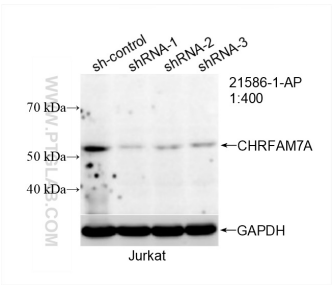
E: Proteintech-CN@ptglab.comW: ptgcn.com

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Selected Validation Data



Jurkat cells were subjected to SDS PAGE followed by western blot with 21586-1-AP (CHRNA7/CHRFAM7A antibody) at dilution of 1:200 incubated at room temperature for 1.5 hours.



WB result of CHRNA7/CHRFAM7A antibody (21586-1-AP; 1:400; incubated at room temperature for 1.5 hours) with sh-Control and sh-CHRNA7/CHRFAM7A transfected Jurkat cells.