

For Research Use Only

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:

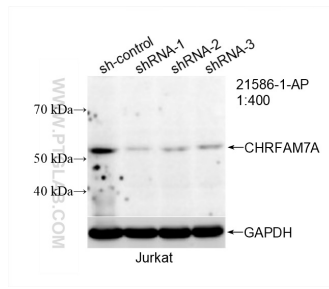
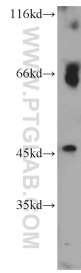
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

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.