Anti-CHRNA5 Recombinant Rabbit Monoclonal Antibody

Catalog #: 1438

Aliases

CHRNA5; Cholinergic Receptor Nicotinic Alpha 5 Subunit; Acetylcholine Receptor, Nicotinic, Alpha 5 (Neuronal); Cholinergic Receptor, Nicotinic, Alpha 5 (Neuronal); Neuronal Acetylcholine Receptor Subunit Alpha-5; Cholinergic Receptor, Nicotinic Alpha 5; Cholinergic Receptor, Neuronal Nicotinic, Alpha Polypeptide-5; Neuronal Nicotinic Acetylcholine Receptor, Alpha5 Subunit; Cholinergic Receptor, Nicotinic, Alpha Polypeptide 5; NACHRA5; LNCR2

Background

Gene Name: CHRNA5
NCBI Gene Entry: 1138
UniProt Entry: P30532

Application Information

Molecular Weight: Predicted, 53 kDa; observed, 55 kDa
Clonality: Rabbit monoclonal antibody
Clone ID: 23GB3775
Species Reactivity: Human, mouse, rat
Applications Tested: Western blotting (WB), flow cytometry (FCM), immunocytochemistry (IC)

Immunogen

A synthesized peptide derived from human CHRNA5

Isotype

Rabbit IgG

Storage Buffer

Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.

Storage

Store at -20 °C for one year.

Recommended Dilutions

Western Blotting (WB): 1:1,000-1:5,000
Flow Cytometry (FCM): 1:2,000
Immunocytochemistry (IC): 1:100-1:1,000

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Note: This product is for research use only.

Validation Data
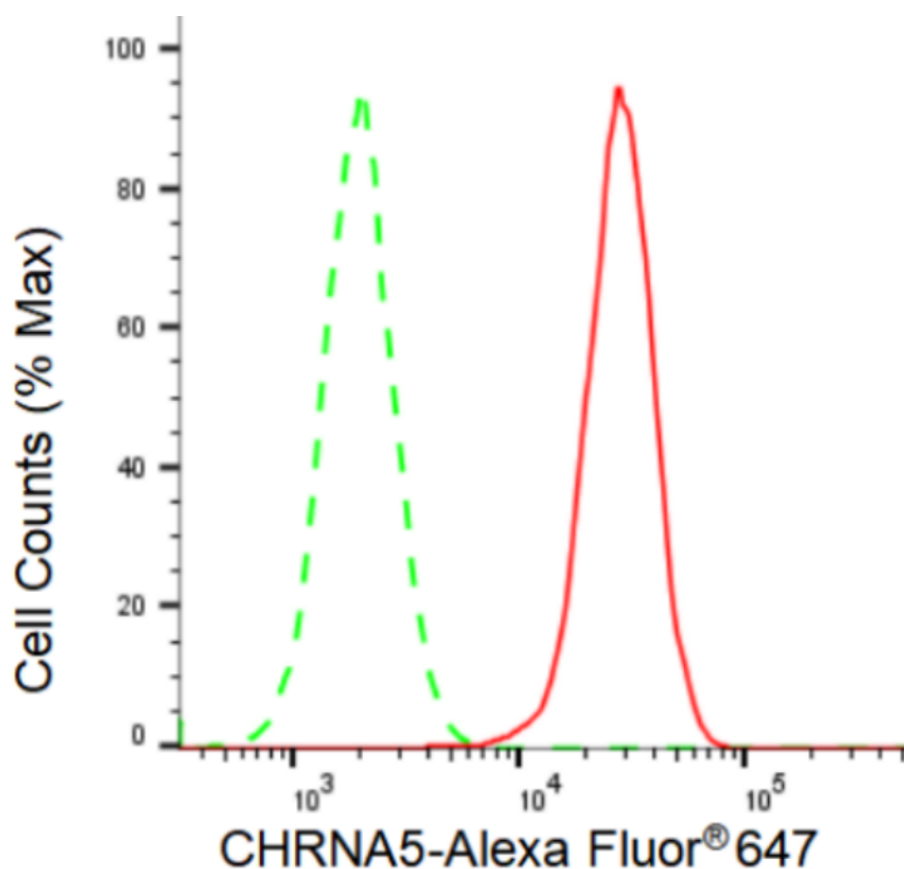
Flow cytometric analysis of CHRNA5 expression in HAP-1 cells using CHRNA5 antibody (Cat#1438, 1:2,000). Green, isotype control; red, CHRNA5.
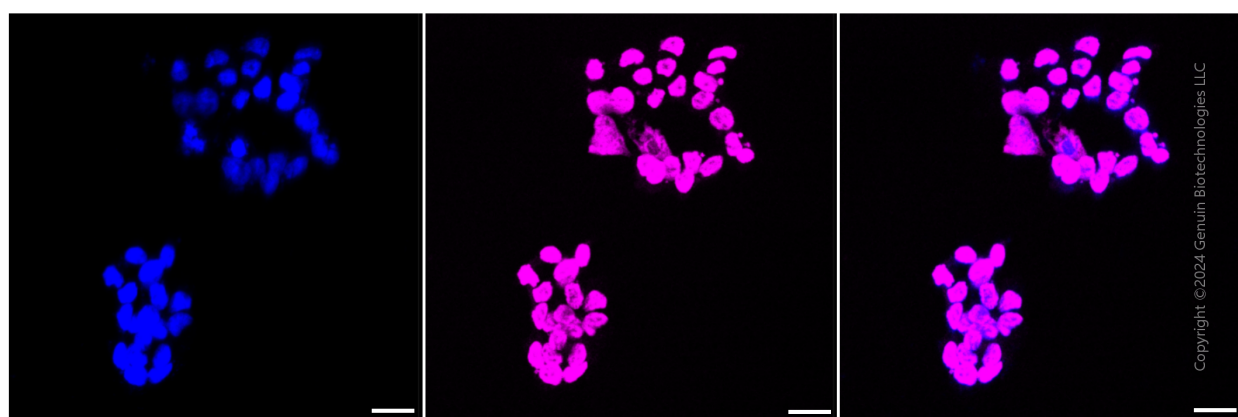
Immunocytochemical staining of HAP-1 cells with CHRNA5 antibody (Cat#1438, 1:1,000). Nuclei were stained blue with DAPI; CHRNA5 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart

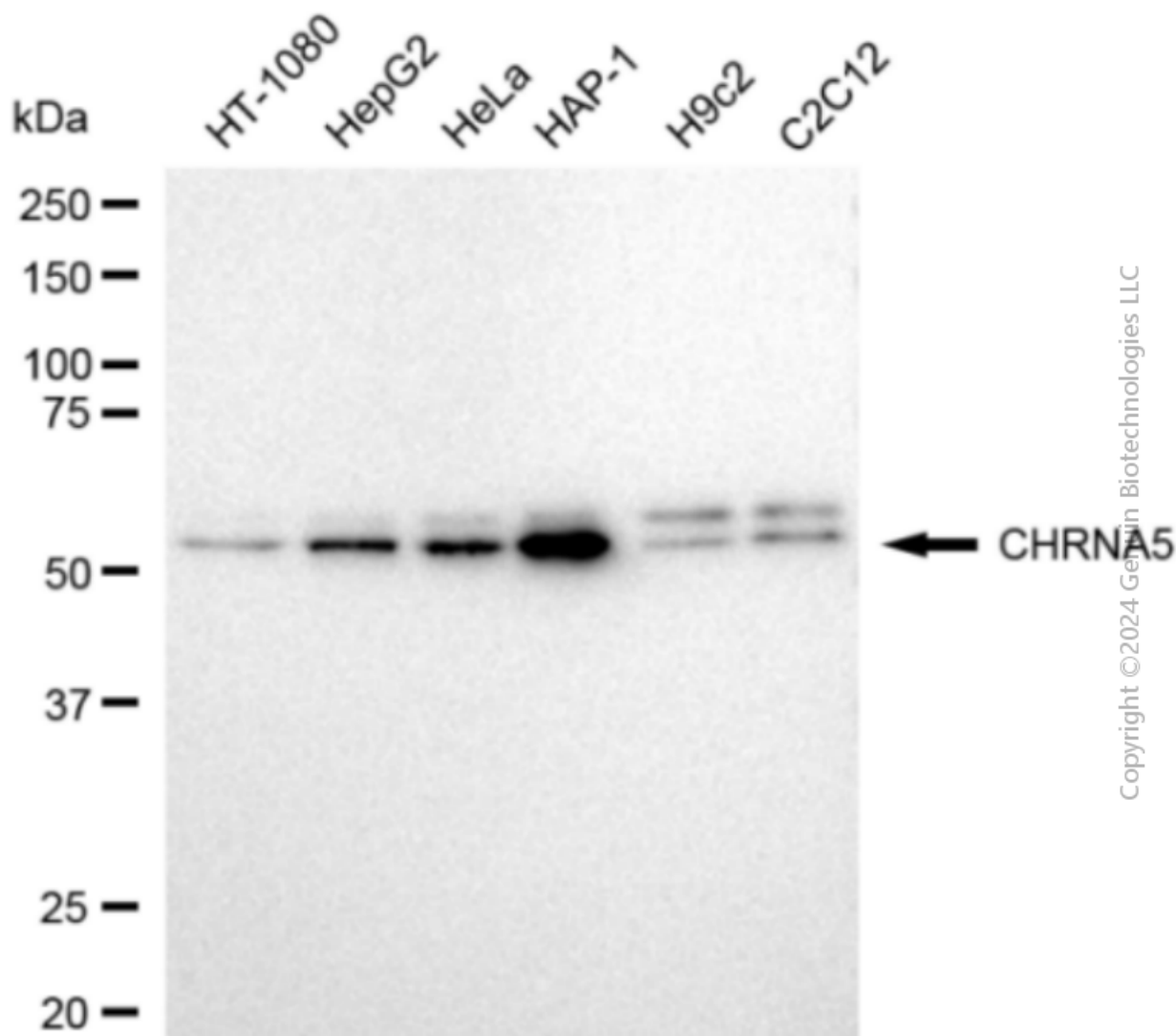**SUPPORT**
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gain: Medium. Scale bar: 20 μm.

Western blotting analysis using anti-CHRNA5 antibody (Cat#1438). Total cell lysates (30 μg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-CHRNA5 antibody (Cat#1438, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (Cat#201, 1:20,000) respectively. Image was developed using FeQ™ ECL Substrate Kit (Cat#226).