Anti-CHRND Antibody [1H1F9]

EM1710-56

Product Type:	Mouse monoclonal IgG1, primary antibodies
Species reactivity:	Human
Applications:	WB, FC
Molecular Wt:	58.8kDa
Clone number:	1H1F9

Description: The acetylcholine receptor of muscle has 5 subunits of 4 different types: 2 alpha and 1 each of beta, gamma and delta subunits. After acetylcholine binding, the receptor undergoes an extensive conformation change that affects all subunits and leads to opening of an ion-conducting channel across the plasma membrane. Defects in this gene are a cause of multiple pterygium syndrome lethal type (MUPSL), congenital myasthenic syndrome slow-channel type (SCCMS), and congenital myasthenic syndrome fast-channel type (FCCMS). Several transcript variants encoding different isoforms have been found for this gene.

Immunogen: Purified recombinant fragment of human CHRND (AA: extra 22-245) expressed in E. Coli.

Positive control: C6 cell lysate, SK-N-SH cells

Subcellular location: Cell junction. Cell membrane.

Database links: SwissProt: Q07001 Human

Recommended Dilutions:

WB	1:500-1:2,000
FC	1:100-1:200

Storage Buffer: Purified antibody in PBS with 0.05% sodium azide.

Storage Instruction: 4℃; -20℃ for long term storage.

Purity: Protein G affinity purified.

Images

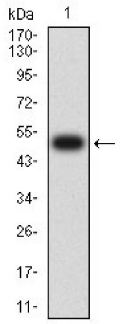

Fig1: Western blot analysis of CHRND against human CHRND (AA: extra 22-245) recombinant protein. Proteins were transferred to a PVDF membrane and blocked with 5% BSA in PBS for 1 hour at room temperature. The primary antibody (EM1710-56, 1/500) was used in 5% BSA at room temperature for 2 hours. Goat Anti-Mouse IgG - HRP Secondary Antibody at 1:5,000 dilution was used for 1 hour at room temperature.

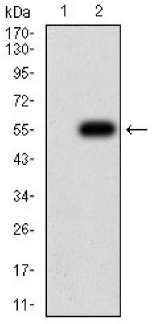

Fig2: Western blot analysis of CHRND against HEK293 (1) and CHRND (AA: extra 22-245)-hIgGFc transfected HEK293 (2) cell lysate. Proteins were transferred to a PVDF membrane and blocked with 5% BSA in PBS for 1 hour at room temperature. The primary antibody (EM1710-56, 1/500) was used in 5% BSA at room temperature for 2 hours. Goat Anti-Mouse IgG - HRP Secondary Antibody at 1:5,000 dilution was used for 1 hour at room temperature.

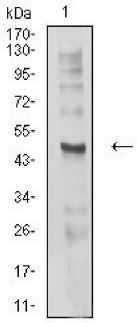

Fig3: Western blot analysis of CHRND against C6 (1) cell lysate. Proteins were transferred to a PVDF membrane and blocked with 5% BSA in PBS for 1 hour at room temperature. The primary antibody (EM1710-56, 1/500) was used in 5% BSA at room temperature for 2 hours. Goat Anti-Mouse IgG - HRP Secondary Antibody at 1:5,000 dilution was used for 1 hour at room temperature.

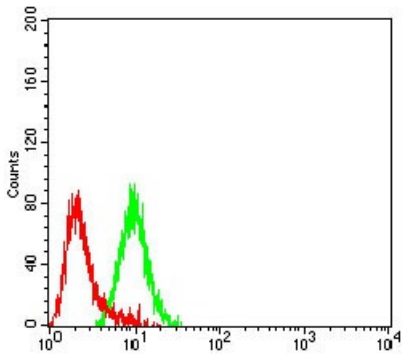

Fig4: Flow cytometric analysis of CHRND was done on SK-N-SH cells. The cells were fixed, permeabilized and stained with the primary antibody (EM1710-56, 1/100) (green). After incubation of the primary antibody at room temperature for an hour, the cells were stained with a Alexa Fluor 488-conjugated goat anti-Mouse IgG Secondary antibody at 1/500 dilution for 30 minutes. Unlabelled sample was used as a control (cells without incubation with primary antibody; red).

Background References

1. Clin Dysmorphol. 2013 Apr;22(2):54-8.
2. J Biol Chem. 2014 Jan 3;289(1):203-14.