Anti-CHRNA4 antibody

Cat. No.	ml221017
Package	25 μl/100 μl/200 μl
Storage	-20°C, pH7.4 PBS, 0.05% NaN3, 40% Glycerol

Product overview

Description	Anti-CHRNA4 rabbit polyclonal antibody
Applications	ELISA, WB, IHC
Immunogen	Fusion protein of human CHRNA4
Reactivity	Human
Content	0.2 mg/ml
Host species	Rabbit
Ig class	Immunogen-specific rabbit IgG
Purification	Antigen affinity purification

Target information

Symbol	CHRNA4
Full name	cholinergic receptor, nicotinic, alpha 4 (neuronal)

订购热线: 4008-898-798

Synonyms	EBN; BFNC; EBN1; NACHR; NACRA4; NACHRA4
Swissprot	P43681

Target Background

This gene encodes a nicotinic acetylcholine receptor, which belongs to a superfamily of ligand-gated ion channels that play a role in fast signal transmission at synapses. These pentameric receptors can bind acetylcholine, which causes an extensive change in conformation that leads to the opening of an ion-conducting channel across the plasma membrane. This protein is an integral membrane receptor subunit that can interact with either nAChR beta-2 or nAChR beta-4 to form a functional receptor. Mutations in this gene cause nocturnal frontal lobe epilepsy type 1.
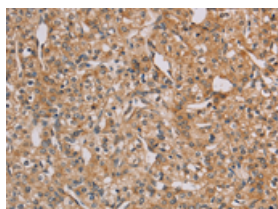
Applications

Immunohistochemistry

Predicted cell location: Cytoplasm

Positive control: Human prostate cancer
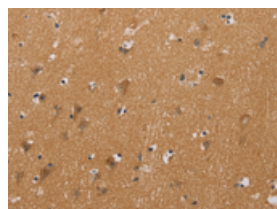
Recommended dilution: 25-100

The image on the left is immunohistochemistry of paraffin-embedded Human prostate cancer tissue using ml221017(CHRNA4 Antibody) at dilution 1/20, on the right is treated with fusion protein. (Original magnification: ×200)

Predicted cell location: Cytoplasm

Positive control: Human brain

Recommended dilution: 25-100

The image on the left is immunohistochemistry of paraffin-embedded Human brain tissue using ml221017(CHRNA4 Antibody) at dilution 1/20, on the right is treated with fusion protein. (Original magnification: ×200)

Western blotting

Predicted band size:70 kDa

Positive control:Lovo and 293T cells
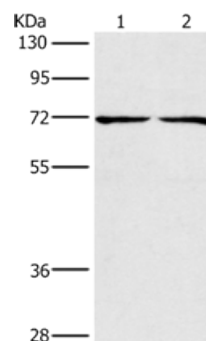
Recommended dilution: 200-1000

Gel: 8%SDS-PAGE

Lysate: 40 μg

Lane 1-2: Lovo cells, 293T cells

Primary antibody: ml221017(CHRNA4 Antibody) at dilution 1/200

Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution

Exposure time: 5 seconds

ELISA

Recommended dilution: 1000-2000

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