

Datasheet for ABIN5611312
anti-CHRNA2 antibody (AA 27-264)[Go to Product page](#)

4 Images

Overview

Quantity:	0.1 mg
Target:	CHRNA2
Binding Specificity:	AA 27-264
Reactivity:	Human, Rat
Host:	Mouse
Clonality:	Monoclonal
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunocytochemistry (ICC), Flow Cytometry (FACS), Neutralization (Neut)

Product Details

Immunogen:	Purified recombinant fragment of human CHRNA2 (AA: extra 27-264) expressed in E. coli.
Clone:	7G12H9
Isotype:	IgG1
Purification:	purified

Target Details

Target:	CHRNA2
Alternative Name:	CHRNA2 (CHRNA2 Products)
Background:	Nicotinic acetylcholine receptors (nAChRs) are ligand-gated ion channels formed by a pentameric arrangement of alpha and beta subunits to create distinct muscle and neuronal receptors. Neuronal receptors are found throughout the peripheral and central nervous system

Target Details

where they are involved in fast synaptic transmission. This gene encodes an alpha subunit that is widely expressed in the brain. The proposed structure for nAChR subunits is a conserved N-terminal extracellular domain followed by three conserved transmembrane domains, a variable cytoplasmic loop, a fourth conserved transmembrane domain, and a short C-terminal extracellular region. Mutations in this gene cause autosomal dominant nocturnal frontal lobe epilepsy type 4. Single nucleotide polymorphisms (SNPs) in this gene have been associated with nicotine dependence.

Molecular Weight:	60 kDa
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Gene ID:	1135
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HGNC:	1135
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Application Details

Application Notes:	ELISA: 1:10000, WB: 1:500 - 1:2000, ICC: N/A, FCM: N/A, IHC: N/A
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Restrictions:	For Research Use only
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Handling

Format:	Liquid
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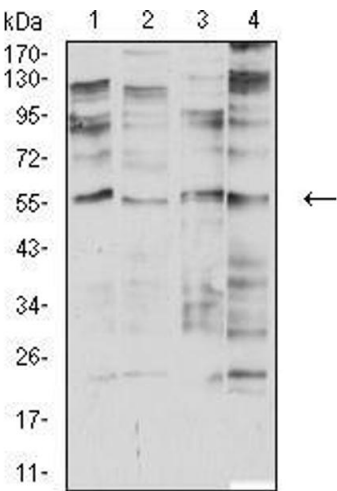
Buffer:	Purified antibody in PBS with 0.05 % sodium azide
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Preservative:	Sodium azide
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Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
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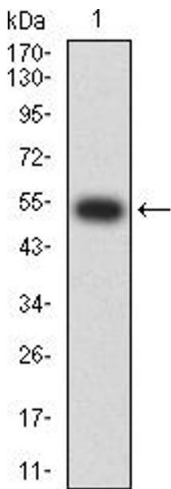
Storage:	4 °C/-20 °C
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Storage Comment:	4°C, -20°C for long term storage
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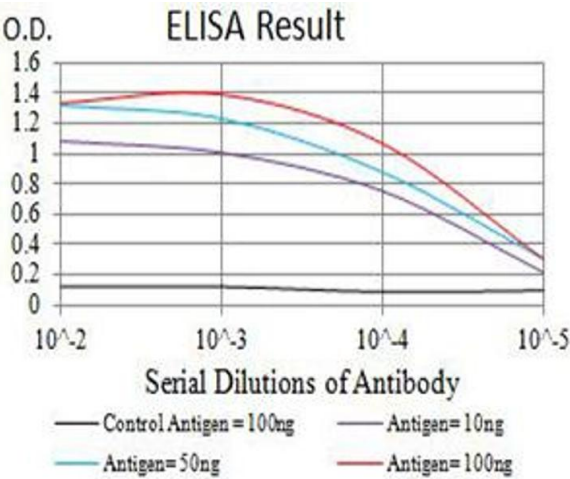
Western Blotting

Image 1. Western blot analysis using CHRNA2 mouse mAb against SK-N-SH (1), SH-SY5Y (2), membrane protein of C6 (3), and SW480 (4) cell lysate.



Western Blotting

Image 2. Western blot analysis using CHRNA2 mAb against human CHRNA2 (AA: extra 27-264) recombinant protein. (Expected MW is 53.3 kDa)



ELISA

Image 3. Black line: Control Antigen (100 ng),Purple line: Antigen (10 ng), Blue line: Antigen (50 ng), Red line:Antigen (100 ng)

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN5611312.