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Datasheet for ABIN5684151  
**anti-CHRNB3 antibody (AA 25-232)**

4 Images

### Overview

Quantity:	0.1 mg
Target:	CHRNB3
Binding Specificity:	AA 25-232
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CHRNB3 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunocytochemistry (ICC), Flow Cytometry (FACS), Neutralization (Neut)

### Product Details

Immunogen:	Purified recombinant fragment of human CHRNB3 (AA: extra 25-232) expressed in E. coli.
Clone:	4C1H2
Isotype:	IgG1
Purification:	purified

### Target Details

Target:	CHRNB3
Alternative Name:	CHRNB3 ( <a href="#">CHRNB3 Products</a> )
Background:	The nicotinic acetylcholine receptors (nAChRs) are members of a superfamily of ligand-gated

## Target Details

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ion channels that mediate fast signal transmission at synapses. The nAChRs are (hetero)pentamers composed of homologous subunits. The subunits that make up the muscle and neuronal forms of nAChRs are encoded by separate genes and have different primary structure. There are several subtypes of neuronal nAChRs that vary based on which homologous subunits are arranged around the central channel. They are classified as alpha-subunits if, like muscle alpha-1 (MIM 100690), they have a pair of adjacent cysteines as part of the presumed acetylcholine binding site. Subunits lacking these cysteine residues are classified as beta-subunits (Groot Kormelink and Luyten, 1997 [PubMed 9009220]). Elliott et al. (1996) [PubMed 8906617] stated that the proposed structure for each subunit is a conserved N-terminal extracellular domain followed by 3 conserved transmembrane domains, a variable cytoplasmic loop, a fourth conserved transmembrane domain, and a short C-terminal extracellular region.

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Molecular Weight:	52.7 kDa
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Gene ID:	1142
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HGNC:	5169
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## Application Details

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Application Notes:	ELISA: 1:10000, WB: 1:500 - 1:2000, ICC: N/A, FCM: 1:200 - 1:400, IHC: N/A
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Restrictions:	For Research Use only
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## Handling

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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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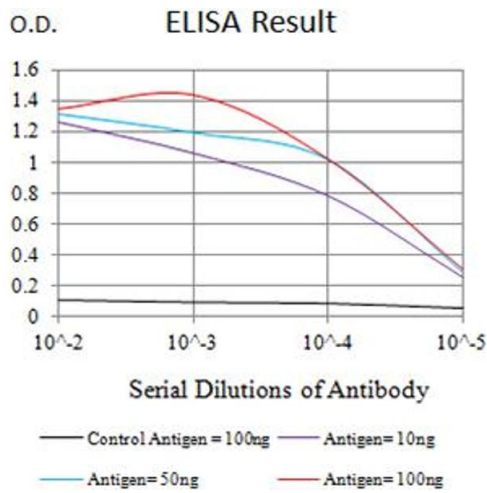
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
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Storage:	4 °C/-20 °C
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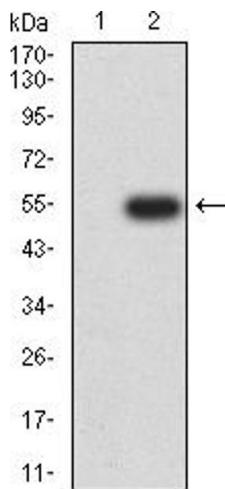
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Storage Comment:	4°C, -20°C for long term storage
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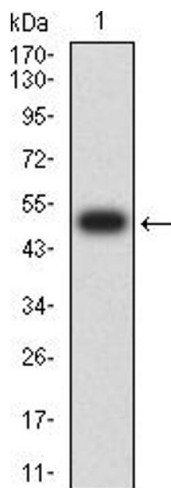
### ELISA

**Image 1.** Black line: Control Antigen (100 ng),Purple line: Antigen (10 ng), Blue line: Antigen (50 ng), Red line:Antigen (100 ng)



### Western Blotting

**Image 2.** Western blot analysis using CHRNB3 mAb against HEK293 (1) and CHRNB3 (AA: extra 25-232)-hlgGFc transfected HEK293 (2) cell lysate.



### Western Blotting

**Image 3.** Western blot analysis using CHRNB3 mAb against human CHRNB3 (AA: extra 25-232) recombinant protein. (Expected MW is 50.2 kDa)

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN5684151.