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PRODUCT DATASHEET

# Anti-GABA-A-R-Alpha2 Antibody (BSA and Azide free)

NeuroMab KO Validated

## Product Details

| | |
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| **Available Variants** | 100 µL (SKU:75-384-CF) |
| **Conjugate** | Unconjugated |
| **Isotype** | IgG1 |
| **Clone** | N399/19 |
| **Gene Name** | Gabra2 Gabra-2 |
| **Host Species** | Mouse |
| **Concentration** | Lot dependent: provided at 0.6-1.0 mg/mL |
| **Format** | Purified by Protein A chromatography |
| **Physical State** | Liquid |
| **Buffer** | PBS |
| **Production Notes** | Produced by in vitro bioreactor culture of hybridoma line followed by Protein A affinity chromatography and buffer exchanged into 1X PBS. Purified mAbs are >90% specific antibody. |
| **Applications** | ELISA, ICC, IHC, WB |
| **Species Reactivity** | Mouse, Rat |
| **Immunogen** | Fusion protein amino acids 350-385 (cytoplasmic C-terminus) of rat GABA-A-R-Alpha2 (accession number P23576) produced recombinantly in E. Coli |
| **Specificity** | Does not cross-react with GABA-A-R-Alpha1 |
| **Molecular Weight** | 55 kDa |
| **Quality Control** | Each new lot of antibody is quality control tested by western blot on rat whole brain lysate and confirmed to stain the expected molecular weight band. |
| **Storage** | Aliquot and store at ≤ -20°C for long term storage. For short term storage, store at 2-8°C. For maximum recovery of product, centrifuge the vial prior to |

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| | removing the cap. |
| **UniProt ID** | P23576<br>UniProt Summary: Alpha subunit of the heteropentameric ligand-gated chloride channel gated by gamma-aminobutyric acid (GABA), a major inhibitory neurotransmitter in the brain. GABA-gated chloride channels, also named GABA(A) receptors (GABAAR), consist of five subunits arranged around a central pore and contain GABA active binding site(s) located at the alpha and beta subunit interface(s). When activated by GABA, GABAARs selectively allow the flow of chloride anions across the cell membrane down their electrochemical gradient. Chloride influx into the postsynaptic neuron following GABAAR opening decreases the neuron ability to generate a new action potential, thereby reducing nerve transmission. The alpha-2 subunit exhibits synaptogenic activity together with beta-2 and very little to no activity together with beta-3, the gamma-2 subunit being necessary but not sufficient to induce rapid synaptic contacts formation. |
| **Country of Origin** | United States |
| **Shipping** | Shipped on ice packs |
| **Expiration** | 12 months from date of receipt |
| **Usage Statement** | These antibodies are to be used as research laboratory reagents and are not for use as diagnostic or therapeutic reagents in humans. |
| **NCBI Gene ID** | 2555 |

## Product Images




Anti-GABA-A-R-Alpha2 Antibody (BSA and Azide free)



Created on 24. November 2026 | All information without guarantee