

## CHRNA6 Conjugated Antibody

Catalog No: #C46496



Package Size: #C46496-AF350 100ul #C46496-AF405 100ul #C46496-AF488 100ul  
 #C46496-AF555 100ul #C46496-AF594 100ul #C46496-AF647 100ul  
 #C46496-AF680 100ul #C46496-AF750 100ul #C46496-Biotin 100ul

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## Description

|                       |                                                                                                                                                                              |
|-----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Name          | CHRNA6 Conjugated Antibody                                                                                                                                                   |
| Host Species          | Rabbit                                                                                                                                                                       |
| Clonality             | Polyclonal                                                                                                                                                                   |
| Species Reactivity    | Hu                                                                                                                                                                           |
| Specificity           | The antibody detects endogenous levels of total CHRNA6 protein.                                                                                                              |
| Immunogen Description | Synthetic peptide corresponding to residues near the C terminal of human CHRNA6                                                                                              |
| Conjugates            | Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750                                                                                                                       |
| Other Names           | CHNRA6                                                                                                                                                                       |
| Accession No.         | Swiss-Prot#:Q15825NCBI Gene ID:8973NCBI Protein#:NP_004189                                                                                                                   |
| Uniprot               | Q15825                                                                                                                                                                       |
| GeneID                | 8973;                                                                                                                                                                        |
| Excitation Emission   | AF350: 346nm/442nm<br>AF405: 401nm/421nm<br>AF488: 493nm/519nm<br>AF555: 555nm/565nm<br>AF594: 591nm/614nm<br>AF647: 651nm/667nm<br>AF680: 679nm/702nm<br>AF750: 749nm/775nm |
| Formulation           | 0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide                                                                                  |
| Storage               | Store at 4°C in dark for 6 months                                                                                                                                            |

## Application Details

## Suggested Dilution:

AF350 conjugated: most applications: 1: 50 - 1: 250

AF405 conjugated: most applications: 1: 50 - 1: 250

AF488 conjugated: most applications: 1: 50 - 1: 250

AF555 conjugated: most applications: 1: 50 - 1: 250

AF594 conjugated: most applications: 1: 50 - 1: 250

AF647 conjugated: most applications: 1: 50 - 1: 250

AF680 conjugated: most applications: 1: 50 - 1: 250

AF750 conjugated: most applications: 1: 50 - 1: 250

Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1: 50 - 1: 1,000

## Background

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This gene encodes an alpha subunit of neuronal nicotinic acetylcholine receptors. These receptors consist of five subunits and function as ion channels involved in neurotransmission. The encoded protein is a subunit of neuronal nicotinic acetylcholine receptors that mediate dopaminergic neurotransmission and are activated by acetylcholine and exogenous nicotine. Alternatively spliced transcript variants have been observed for this gene. Single nucleotide polymorphisms in this gene have been associated with both nicotine and alcohol dependence.?

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Note: This product is for in vitro research use only