

## Rabbit CHRNA5 Polyclonal Antibody | anti-CHRNA5 antibody

CHRNA5 Antibody (Center)

| CATALOG # | HOST   | REACTIVITY                                  | APPLICATIONS        |
|-----------|--------|---------------------------------------------|---------------------|
| AAA287253 | Rabbit | Human, mouse (Predicted Reactivity: Bovine) | ELISA, Western Blot |

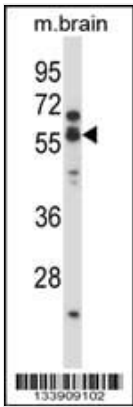
### PRODUCT SYNONYMS

CHRNA5; Polyclonal Antibody; CHRNA5 Antibody (Center); Neuronal acetylcholine receptor subunit alpha-5; NACHRA5; anti-CHRNA5 antibody

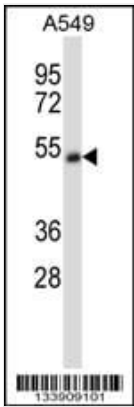
### PRODUCT SPECIFICATIONS

|                                                  |                                                                                                                                                                              |
|--------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                             | Rabbit                                                                                                                                                                       |
| Reactivity                                       | Human, mouse (Predicted Reactivity: Bovine)                                                                                                                                  |
| Clonality                                        | Polyclonal                                                                                                                                                                   |
| Isotype                                          | Rabbit Ig                                                                                                                                                                    |
| Specificity                                      | This CHRNA5 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 187-216 amino acids from the Central region of human CHRNA5.        |
| Purity/Purification                              | Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)                                                                                                                   |
| Form/Format                                      | Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification. |
| Concentration                                    | Vial Concentration: 0.35 (varies by lot)                                                                                                                                     |
| Sequence Positions                               | 187-216                                                                                                                                                                      |
| Sequence Length                                  | 468                                                                                                                                                                          |
| Applicable Applications for anti-CHRNA5 antibody | ELISA, WB (Western Blot)                                                                                                                                                     |
| Antigen Type                                     | Synthetic Peptide                                                                                                                                                            |
| Antigen Source                                   | HUMAN                                                                                                                                                                        |
| Preparation and Storage                          | Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.                       |

IMAGES



**WB (Western Blot)**  
CHRNA5 Antibody (Center) western blot analysis in mouse brain tissue lysates (35ug/lane).This demonstrates the CHRNA5 antibody detected the CHRNA5 protein (arrow).



**WB (Western Blot)**  
CHRNA5 Antibody (Center) western blot analysis in A549 cell line lysates (35ug/lane).This demonstrates the CHRNA5 antibody detected the CHRNA5 protein (arrow).

ADDITIONAL INFORMATION

|                                                      |                                                                                                                                                                                                                                                                                                                                                                                  |
|------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-CHRNA5 antibody | The protein encoded by this gene is a nicotinic acetylcholine receptor subunit and a member of a superfamily of ligand-gated ion channels that mediate fast signal transmission at synapses. These receptors are thought to be heteropentamers composed of separate but similar subunits. Defects in this gene have been linked to susceptibility to lung cancer type 2 (LNCR2). |
| Product Categories/Family for anti-CHRNA5 antibody   | Neuroscience                                                                                                                                                                                                                                                                                                                                                                     |
| References                                           | Wessel, J., et al. Neuropsychopharmacology 35(12):2392-2402(2010)<br>Erlich, P.M., et al. Hum. Genet. 128(5):491-499(2010)<br>Shimada, M., et al. Hum. Genet. 128(4):433-441(2010)<br>Falvella, F.S., et al. J. Natl. Cancer Inst. 102(17):1366-1370(2010)<br>Li, M.D., et al. PLoS ONE 5 (8), E12183 (2010) :                                                                   |

NCBI AND UNIPROT INFORMATION

|                                  |                                                           |
|----------------------------------|-----------------------------------------------------------|
| NCBI GI #                        | 33589827                                                  |
| NCBI GeneID                      | 1138                                                      |
| NCBI Accession #                 | NP_000736.2                                               |
| NCBI GenBank Nucleotide #        | NM_000745.3                                               |
| UniProt Accession #              | P30532; Q15824; Q99554                                    |
| Molecular Weight                 | 53054                                                     |
| NCBI Official Full Name          | neuronal acetylcholine receptor subunit alpha-5 isoform 1 |
| NCBI Official Synonym Full Names | cholinergic receptor, nicotinic, alpha 5 (neuronal)       |
| NCBI Official Symbol             | CHRNA5                                                    |
| NCBI Official Synonym Symbols    | LNCR2                                                     |
| NCBI Protein Information         | neuronal acetylcholine receptor subunit alpha-5           |
| UniProt Protein Name             | Neuronal acetylcholine receptor subunit alpha-5           |
| UniProt Gene Name                | CHRNA5                                                    |

|                            |             |
|----------------------------|-------------|
| UniProt Synonym Gene Names | NACHRA5     |
| UniProt Entry Name         | ACHA5_HUMAN |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/chrna5-antibody-western-blot-elisa/287253>