

## CHRNA3

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**Reactivity:**Human Mouse Rat

**Tested applications:**WB IHC

**Recommended Dilution:**WB 1:500 - 1:2000 IHC 1:25 - 1:100

**Calculated MW:**57kDa

**Observed MW:**Refer to figures

**Immunogen:**

A synthetic peptide of human CHRNA3

**Storage Buffer:**

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

**Synonym:**

LNCR2; PAOD2; NACHRA3;

**Catalog #:**A3040

**Antibody Type:**

Polyclonal Antibody

**Species:**Rabbit

**Gene ID:**1136

**Isotype:**IgG

**Swiss Prot:**P32297

**Purity:**Affinity purification

For research use only.

**Background:**

This locus encodes a member of the nicotinic acetylcholine receptor family of proteins. Members of this family of proteins form pentameric complexes comprised of both alpha and beta subunits. This locus encodes an alpha-type subunit, as it contains characteristic adjacent cysteine residues. The encoded protein is a ligand-gated ion channel that likely plays a role in neurotransmission. Polymorphisms in this gene have been associated with an increased risk of smoking initiation and an increased susceptibility to lung cancer. Alternatively spliced transcript variants have been described.

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