

## CHRNA3 Polyclonal Antibody

Catalog number: 10333-1-AP

Size: 15 µg/150 µl

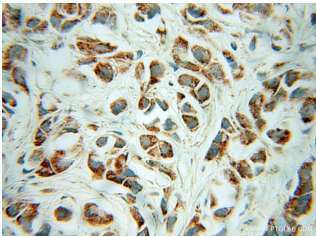
Source: Rabbit

Isotype: IgG

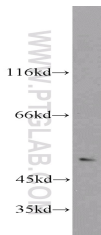
Synonyms:

CHRNA3; CHRNA3, LNCR2,

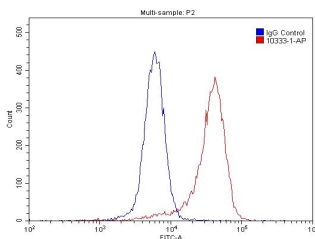
NACHRA3, PAOD2



Immunohistochemical of paraffin-embedded human prostate cancer using 10333-1-AP (CHRNA3 antibody) at dilution of 1:50 (under 40x lens)



mouse thymus tissue were subjected to SDS PAGE followed by western blot with 10333-1-AP (CHRNA3 antibody) at dilution of 1:1000



1X10<sup>6</sup> SH-SY5Y cells were stained with 0.2µg CHRNA3 antibody (10333-1-AP, red) and control antibody (blue). Fixed with 4% PFA blocked with 3% BSA (30 min). Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) with dilution 1:1500.

### Background

CHRNA3, also named as NACHRA3, LNCR2 and PAOD2, is neuronal type nAChR subunits. It is a member of the nicotinic acetylcholine receptor family, which plays an important role in calcium regulation, neuronal development, and cognitive functions. Polymorphisms in this gene have been associated with an increased risk of smoking initiation and an increased susceptibility to lung cancer.

### Applications

Tested applications:	ELISA, WB, IHC, FC
Cited applications:	IHC, WB
Species specificity:	Human, Mouse; other species not tested.
Cited species:	Human, mouse
Calculated CHRNA3 MW:	57 kDa
Observed CHRNA3 MW:	50-55 kDa
Positive WB detected in	Mouse thymus tissue, A549 cells, HEK-293 cells, HepG2 cells, mouse brain tissue
Positive IHC detected in	Human prostate cancer tissue
Positive FC detected in	SH-SY5Y cells
Recommended dilution:	WB: 1:200-1:2000 IHC: 1:20-1:200 FC: N/A

Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

### Immunogen information

Immunogen:	Ag0272
GenBank accession number:	BC000513
Gene ID (NCBI):	1136
Full name:	Cholinergic receptor, nicotinic, alpha 3

### Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.1% sodium azide and 50% glycerol pH 7.3. Store at -20°C.