

## CHRNB1 Polyclonal Antibody

Catalog number: 11553-1-AP

Size: 60 µg/150 µl

Source: Rabbit

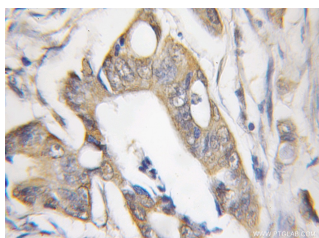
Isotype: IgG

Synonyms:

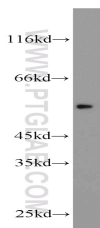
CHRNB1; ACHRB, CHRNB,

CHRNB1, CMS1D, CMS2A,

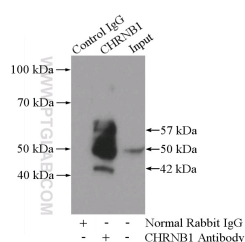
FLJ57107, SCCMS



Immunohistochemical of paraffin-embedded human colon cancer using 11553-1-AP(CHRNB1 antibody) at dilution of 1:50 (under 10x lens)



human liver tissue were subjected to SDS PAGE followed by western blot with 11553-1-AP(CHRNB1 antibody) at dilution of 1:300



IP Result of anti-CHRNB1 (IP:11553-1-AP, 4µg; Detection:11553-1-AP 1:300) with mouse liver tissue lysate 4000µg.

### Background

Acetylcholine receptors (AChRs) are integral membrane proteins that respond to the binding of acetylcholine (ACh), a neurotransmitter synthesized, stored and finally released by cholinergic neurons. After binding acetylcholine, the AChR responds by an extensive change in conformation that affects all subunits and leads to opening of an ion-conducting channel across the plasma membrane. The muscle acetylcholine receptor is composed of five subunits: two alpha subunits and one each of the beta, delta, and gamma (in immature muscle) or epsilon (in mature muscle) subunits. CHRNB1 gene encodes acetylcholine receptor subunit beta (ACHRB). Mutations in this gene are associated with slow-channel congenital myasthenic syndrome.

### Applications

Tested applications:	ELISA, WB, IHC, IP
Cited applications:	WB
Species specificity:	Human, Mouse, Rat; other species not tested.
Cited species:	Mouse
Calculated CHRNB1 MW:	501aa, 57 kDa
Observed CHRNB1 MW:	50-57 kDa
Positive WB detected in	Human liver tissue, mouse liver tissue
Positive IP detected in	Mouse liver tissue
Positive IHC detected in	Human colon cancer tissue
Recommended dilution:	WB: 1:200-1:2000 IP: 1:200-1:1000 IHC: 1:20-1:200

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

### Immunogen information

Immunogen:	Ag2108
GenBank accession number:	BC023553
Gene ID (NCBI):	1140
Full name:	Cholinergic receptor, nicotinic, beta 1 (muscle)

### Product information

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