

For Research Use Only

# CHRNA5 Monoclonal antibody

Catalog Number: 66363-1-Ig

Featured Product

10 Publications



## Basic Information

Catalog Number:

66363-1-Ig

Size:

150ul, Concentration: 2000 ug/ml by 1138 Nanodrop and 1000 ug/ml by Bradford method using BSA as the standard;

Source:

Mouse

Isotype:

IgG2a

Immunogen Catalog Number:

AG4447

GenBank Accession Number:

BC033639

GeneID (NCBI):

1138

UNIPROT ID:

P30532

Full Name:

cholinergic receptor, nicotinic, alpha 5

Calculated MW:

468 aa, 53 kDa

Observed MW:

53 kDa

Purification Method:

Protein A purification

CloneNo.:

3G8C11

Recommended Dilutions:

WB 1:1000-1:4000

IHC 1:50-1:500

## Applications

Tested Applications:

WB, IHC, ELISA

Cited Applications:

WB, IHC, IF

Species Specificity:

human, mouse, pig

Cited Species:

human, mouse

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

Positive Controls:

WB : mouse skeletal muscle tissue, human skeletal muscle tissue, C2C12 cell, pig skeletal muscle tissue, A549 cells

IHC : human bladder tissue, human stomach tissue

## Background Information

Nicotinic acetylcholine receptors (nAChRs), such as CHRNA5, are members of a superfamily of ligand-gated ion channels that mediate fast signal transmission at synapses. The nAChRs are thought to be (hetero)pentamers composed of homologous subunits. Variants in the CHRNA5 gene are associated with nicotine dependence and lung cancer risk.

## Notable Publications

Author	Pubmed ID	Journal	Application
Ping Zhu	35593989	Hum Cell	IHC
Jing Wang	35513071	J Invest Dermatol	IHC
Qian Zhang	34994389	Carcinogenesis	IHC

## Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

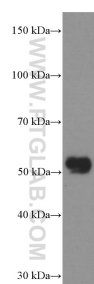
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

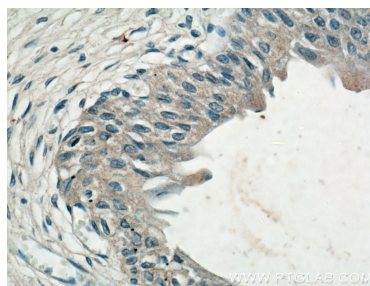
E: proteintech@ptglab.com  
W: ptglab.com

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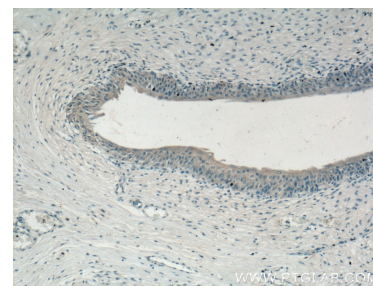
## Selected Validation Data



mouse skeletal muscle tissue were subjected to SDS PAGE followed by western blot with 66363-1-Ig (CHRNA5 Antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human bladder tissue slide using 66363-1-Ig (CHRNA5 Antibody) at dilution of 1:200 (under 40x lens).



Immunohistochemical analysis of paraffin-embedded human bladder tissue slide using 66363-1-Ig (CHRNA5 Antibody) at dilution of 1:200 (under 10x lens).