

For Research Use Only

CHRNA5 Monoclonal antibody

Catalog Number: 66363-1-Ig

Featured Product

8 Publications



Basic Information

Catalog Number: 66363-1-Ig	GenBank Accession Number: BC033639	Purification Method: Protein A purification
Size: 150ul, Concentration: 2000 µg/ml by Nanodrop and 1000 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 1138	CloneNo.: 3G8C11
Source: Mouse	Full Name: cholinergic receptor, nicotinic, alpha 5	Recommended Dilutions: WB 1:1000-1:4000 IHC 1:50-1:500
Isotype: IgG2a	Calculated MW: 468 aa, 53 kDa	
Immunogen Catalog Number: AG4447	Observed MW: 53 kDa	

Applications

Tested Applications: IHC, WB, ELISA	Positive Controls:
Cited Applications: IHC, WB	WB: mouse skeletal muscle tissue, human skeletal muscle tissue, C2C12 cell, pig skeletal muscle tissue, A549 cells
Species Specificity: human, mouse, pig	IHC: human bladder tissue, human stomach tissue
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	

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

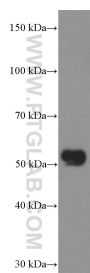
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

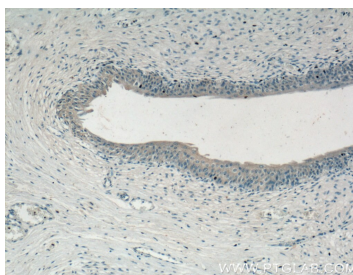
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

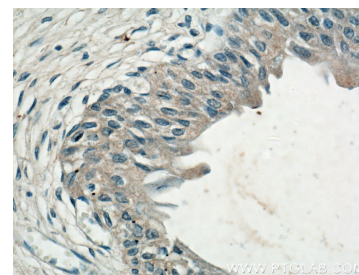
Selected Validation Data



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 10x lens).



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