Product Name: **CHRNA6 Mouse Monoclonal Antibody**
Catalog #: **AMM81873**
For research use only.

Summary

Description	Mouse monoclonal Antibody
Host	Mouse
Application	IHC,ICC,ELISA,FC
Reactivity	Human
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG1
Clonality	Monoclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Purified antibody in PBS with 0.05% sodium azide
Purification	Affinity Purification

Application

Dilution Ratio	IHC 1:200-1:1000,ICC 1:100-1:500,ELISA 1:5000-1:20000,FC 1:200-1:400
Molecular Weight	57kDa

Antigen Information

Gene Name	CHRNA6
Alternative Names	CHNRA6
Gene ID	8973.0
SwissProt ID	Q15825
Immunogen	Purified recombinant fragment of human CHRNA6 (AA: 26-239) expressed in E. Coli.

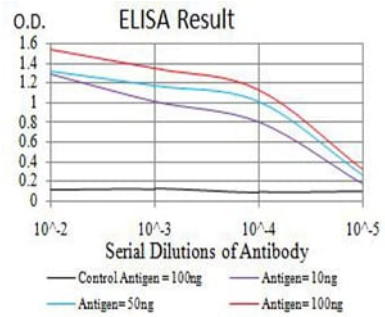
Background

This gene encodes an alpha subunit of neuronal nicotinic acetylcholine receptors. These receptors consist of five subunits and function as ion channels involved in neurotransmission. The encoded protein is a subunit of neuronal nicotinic acetylcholine receptors that mediate dopaminergic neurotransmission and are activated by acetylcholine and exogenous nicotine.

Alternatively spliced transcript variants have been observed for this gene. Single nucleotide polymorphisms in this gene have been associated with both nicotine and alcohol dependence.

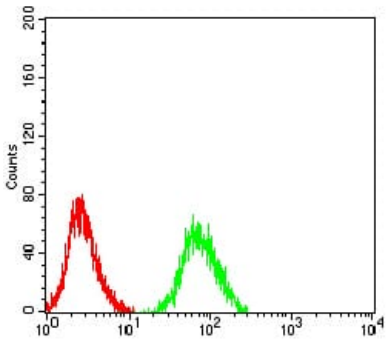
Research Area

Image Data

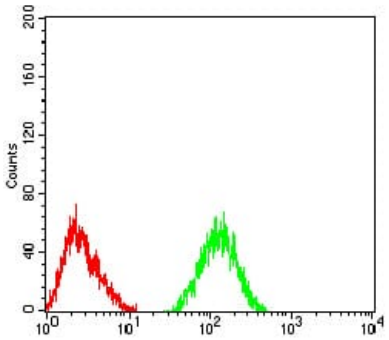


Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng)

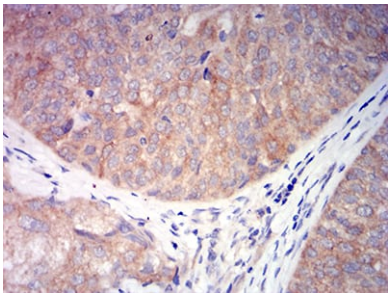
Immunofluorescence analysis of Hela cells using CHRNA6 mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor- 555 phalloidin.



Flow cytometric analysis of SH-SY5Y cells using CHRNA6 mouse mAb (green) and negative control (red).



Flow cytometric analysis of SK-N-SH cells using CHRNA6 mouse mAb (green) and negative control (red).



Immunohistochemical analysis of paraffin-embedded human bladder cancer tissues using CHRNA6 mouse mAb with DAB staining.