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ADORA2A

Purified Mouse Monoclonal Antibody
Catalog # AO2628a

Product Information

Application	WB, IHC, ICC, E
Primary Accession	P29274
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Clone Names	6A6G11
Isotype	Mouse IgG2a
Calculated MW	44707
Immunogen	Purified recombinant fragment of human ADORA2A (AA: 274-412) expressed in E. Coli.
Formulation	Purified antibody in PBS with 0.05% sodium azide

Additional Information

Gene ID	135
Other Names	A2aR; RDC8; ADORA2
Dilution	WB~~ 1/500 - 1/2000 IHC~~1:100~500 ICC~~ 1/100 - 1/500 E~~ 1/10000
Storage	Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	ADORA2A is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	ADORA2A
Synonyms	ADORA2
Function	Receptor for adenosine (By similarity). The activity of this receptor is mediated by G proteins which activate adenylyl cyclase (By similarity).
Cellular Location	Cell membrane {ECO:0000250|UniProtKB:P30543}; Multi-pass membrane protein {ECO:0000250|UniProtKB:P30543} Note=Colocalizes with GAS2L2 at neuronal processes {ECO:0000250|UniProtKB:P30543}

References

1.Mol Neurobiol. 2015 Aug;52(1):664-78.2.J Psychiatr Res. 2014 Apr;51:49-59.

Images

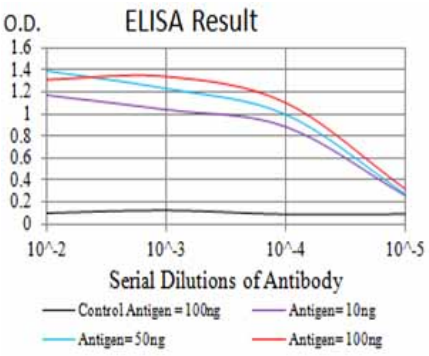


Figure 1:Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng)

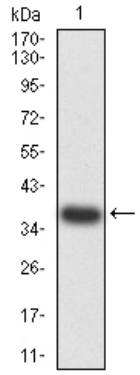


Figure 2:Western blot analysis using ADORA2A mAb against human ADORA2A (AA: 274-412) recombinant protein. (Expected MW is 37 kDa)

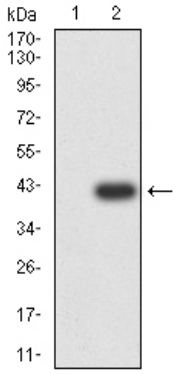


Figure 3:Western blot analysis using ADORA2A mAb against HEK293 (1) and ADORA2A (AA: 274-412)-hIgGFc transfected HEK293 (2) cell lysate.

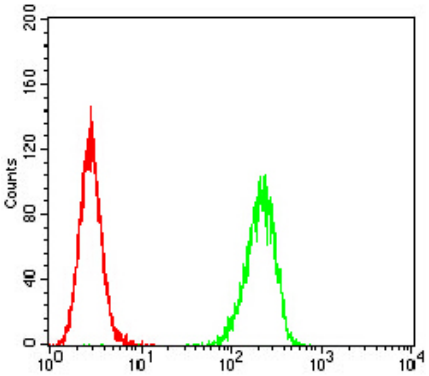
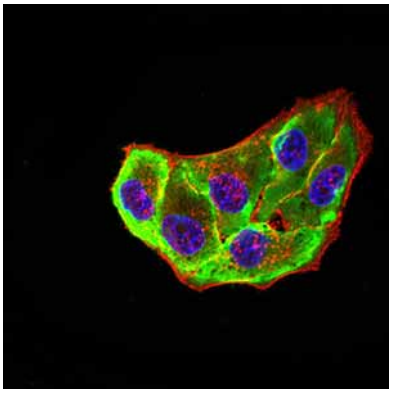


Figure 5:Flow cytometric analysis of Hela cells using ADORA2A mouse mAb (green) and negative control (red).

Figure 4:Immunofluorescence analysis of Hela cells using ADORA2A mouse mAb (green). Blue: DRAQ5 fluorescent



DNA dye. Red: Actin filaments have been labeled with Alexa Fluor- 555 phalloidin. Secondary antibody from Fisher (Cat#: 35503)

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.