

**ADORA2A**  
**Purified Mouse Monoclonal Antibody**  
**Catalog # AO2628a**

**Specification**

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**ADORA2A - Product Information**

Application	E, WB, ICC
Primary Accession	<a href="#">P29274</a>
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Isotype	Mouse IgG2a
Calculated MW	44.7kDa KDa

**Immunogen**

Purified recombinant fragment of human ADORA2A (AA: 274-412) expressed in E. Coli.

**Formulation**

Purified antibody in PBS with 0.05% sodium azide

**ADORA2A - Additional Information**

**Gene ID** 135

**Other Names**

A2aR; RDC8; ADORA2

**Dilution**

E~~ 1/10000  
WB~~ 1/500 - 1/2000  
ICC~~ 1/100 - 1/500

**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.

**ADORA2A - 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}

### ADORA2A - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### ADORA2A - Images

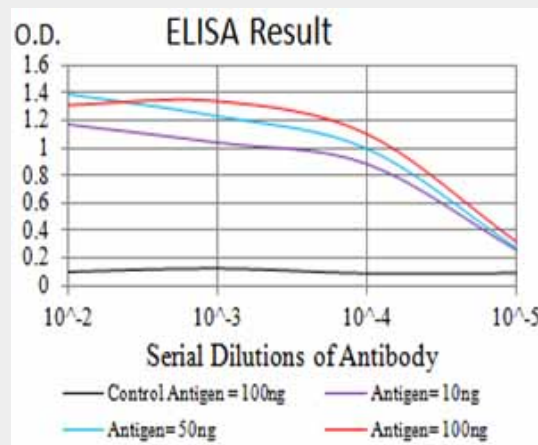


Figure 1: Black line: Control Antigen (100 ng); Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line: Antigen (100 ng)

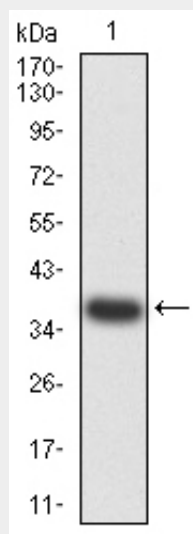


Figure 2:Western blot analysis using ADORA2A mAb against human ADORA2A (AA: 274-412) recombinant protein. (Expected MW is 37 kDa)

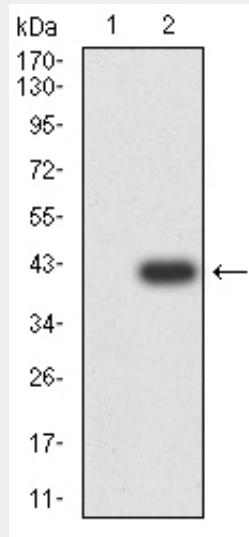


Figure 3:Western blot analysis using ADORA2A mAb against HEK293 (1) and ADORA2A (AA: 274-412)-hlgGfc transfected HEK293 (2) cell lysate.

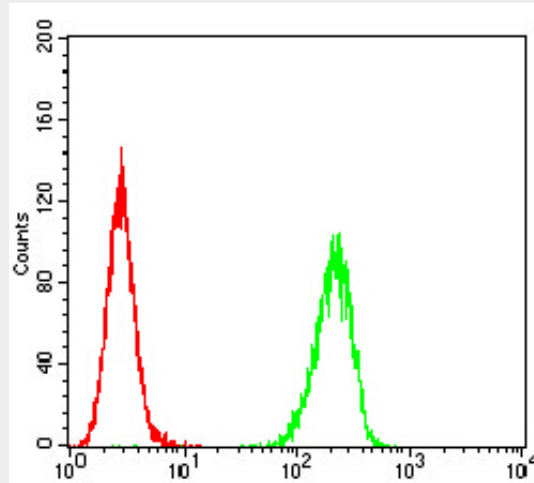


Figure 5:Flow cytometric analysis of Hela cells using ADORA2A mouse mAb (green) and negative control (red).

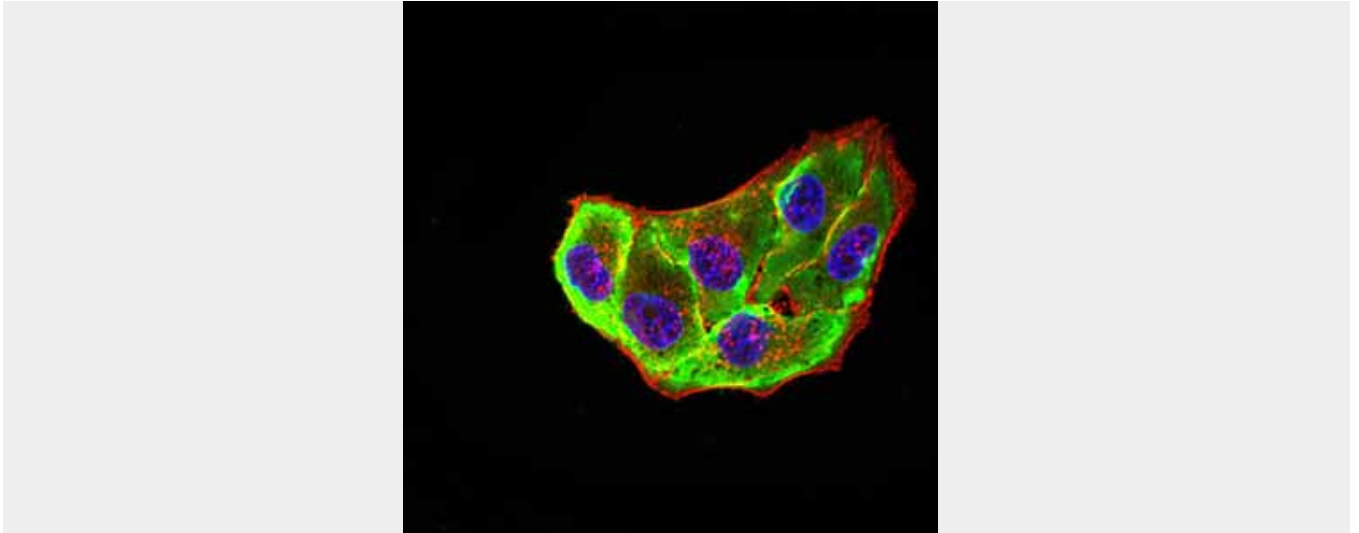


Figure 4: Immunofluorescence analysis of HeLa cells using ADORA2A mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor- 555 phalloidin. Secondary antibody from Fisher (Cat#: 35503)

#### **ADORA2A - References**

1. Mol Neurobiol. 2015 Aug;52(1):664-78.
2. J Psychiatr Res. 2014 Apr;51:49-59.