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

## Specification

### ADORA2A - Product Information

| | |
|---|---|
| Application | **E, WB, FCM, ICC** |
| Primary Accession | P29274 |
| 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
FCM~~1/200 - 1/400
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 Cytomety
- Cell Culture

## ADORA2A - Images

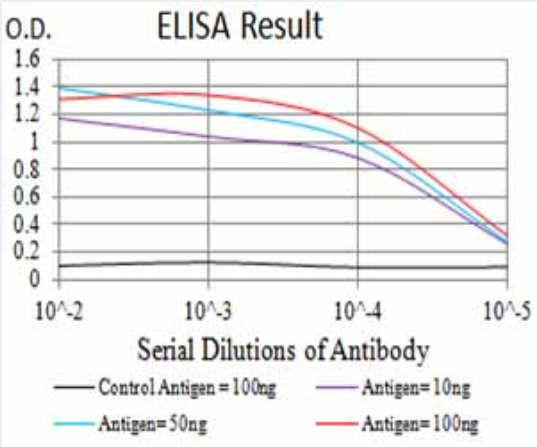



Figure 1:Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng)

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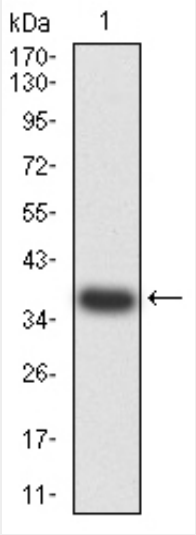



Figure 2:Western blot analysis using ADORA2A mAb against human ADORA2A (AA: 274-412) recombinant protein. (Expected MW is 37 kDa)

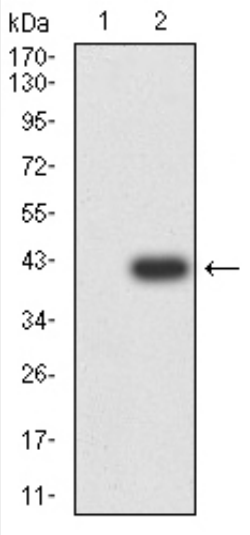



Figure 3:Western blot analysis using ADORA2A mAb against HEK293 (1) and ADORA2A (AA: 274-412)-hIgGFc transfected HEK293 (2) cell lysate.

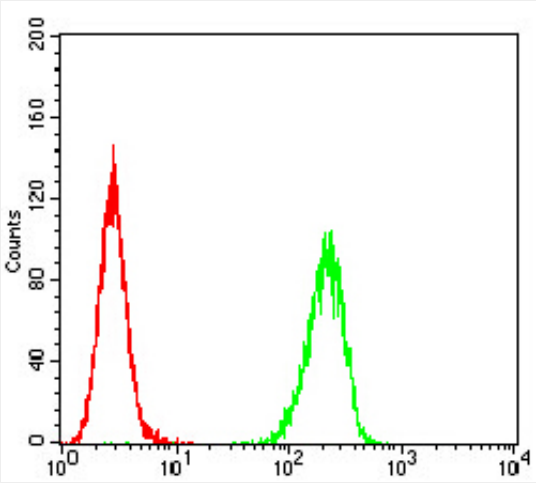



Figure 5:Flow cytometric analysis of Hela cells using ADORA2A mouse mAb (green) and negative

control (red).

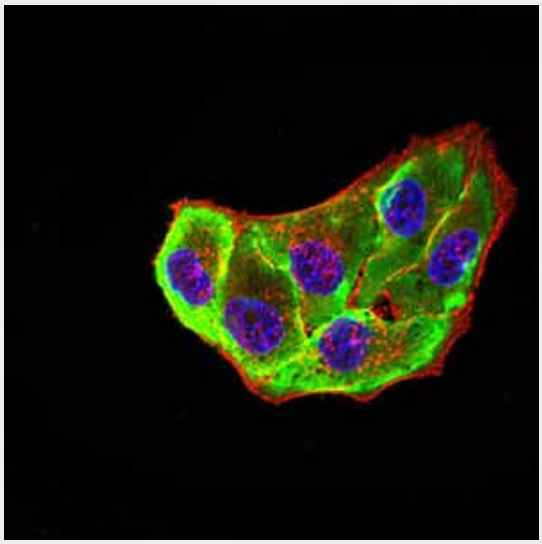


Figure 4:Immunofluorescence analysis of Hela cells using ADORA2A mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor- 555 phalloidin. Secondary antibody from Fisher (Cat#: 35503)

**ADORA2A - References**

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