

**ARG57109**  
anti-ADK antibody [4F8]Package: 50 µl  
Store at: -20°C

### Summary

Product Description	Mouse Monoclonal antibody [4F8] recognizes ADK
Tested Reactivity	Hu
Tested Application	FACS, ICC/IF, WB
Host	Mouse
Clonality	Monoclonal
Clone	4F8
Isotype	IgG1, kappa
Target Name	ADK
Species	Human
Immunogen	Recombinant fragment around aa. 22-362 of Human ADK
Conjugation	Un-conjugated
Alternate Names	Adenosine kinase; AK; Adenosine 5'-phosphotransferase; EC 2.7.1.20

### Application Instructions

Application table	Application	Dilution
	FACS	Assay-dependent
	ICC/IF	Assay-dependent
	WB	1:1000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

### Properties

Form	Liquid
Purification	Purification with Protein G.
Buffer	PBS (pH 7.4), 0.02% Sodium azide and 10% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	10% Glycerol
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Note

For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

Database links

[GeneID: 132 Human](#)

[Swiss-port # P55263 Human](#)

Gene Symbol

ADK

Gene Full Name

adenosine kinase

Background

This gene encodes an enzyme which catalyzes the transfer of the gamma-phosphate from ATP to adenosine, thereby serving as a regulator of concentrations of both extracellular adenosine and intracellular adenosine nucleotides. Adenosine has widespread effects on the cardiovascular, nervous, respiratory, and immune systems and inhibitors of the enzyme could play an important pharmacological role in increasing intravascular adenosine concentrations and acting as anti-inflammatory agents. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jan 2011]

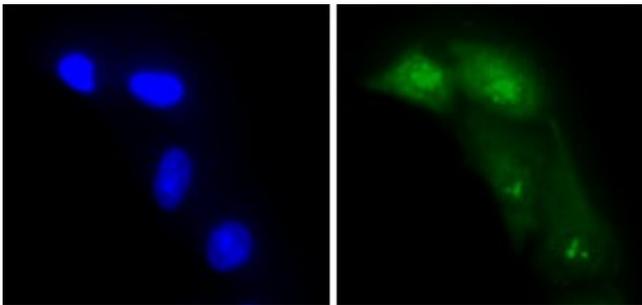
Function

ATP dependent phosphorylation of adenosine and other related nucleoside analogs to monophosphate derivatives. Serves as a potential regulator of concentrations of extracellular adenosine and intracellular adenosine nucleotides. [UniProt]

Calculated Mw

41 kDa

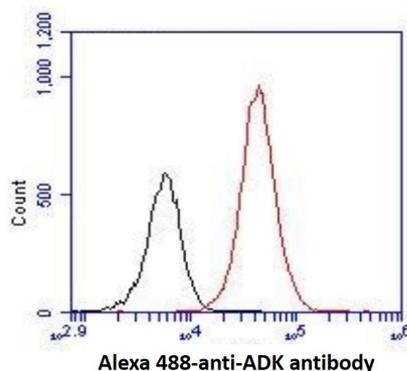
## Images



ARG57109 anti-ADK antibody [4F8] ICC/IF image

Immunofluorescence: A549 cells line stained with ARG57109 anti-ADK antibody [4F8] at 1:100 (Green).

DAPI (Blue) for nucleus staining.



ARG57109 anti-ADK antibody [4F8] FACS image

Flow Cytometry: A549 cell line stained with ARG57109 anti-ADK antibody [4F8] at 2- 5  $\mu$ g for  $1 \times 10^6$  cells (red line). Secondary antibody: Goat anti-Mouse IgG Alexa fluor 488 conjugate. Isotype control antibody: Mouse IgG (black line).

ARG57109 anti-ADK antibody [4F8] WB image

Western blot: 35 µg of HepG2 and 293T cell lysates stained with ARG57109 anti-ADK antibody [4F8] at 1:1000.

