

**ARG55118**  
**anti-ADA antibody**Package: 100 µl  
Store at: -20°C**Summary**

Product Description	Rabbit Polyclonal antibody recognizes ADA
Tested Reactivity	Hu, Rat
Tested Application	ICC/IF, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	ADA
Species	Human
Immunogen	Recombinant protein of Human ADA (Swiss: P00813)
Conjugation	Un-conjugated
Alternate Names	Adenosine deaminase; EC 3.5.4.4; Adenosine aminohydrolase

**Application Instructions**

Application table	Application	Dilution
	ICC/IF	1:50 - 1:200
	WB	1:500 - 1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	Mouse intestine and U251	

**Properties**

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
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.

### Database links

[GeneID: 100 Human](#)

[GeneID: 24165 Rat](#)

[Swiss-port # P00813 Human](#)

[Swiss-port # Q920P6 Rat](#)

### Gene Symbol

ADA

### Gene Full Name

adenosine deaminase

### Background

This gene encodes an enzyme that catalyzes the hydrolysis of adenosine to inosine. Various mutations have been described for this gene and have been linked to human diseases. Deficiency in this enzyme causes a form of severe combined immunodeficiency disease (SCID), in which there is dysfunction of both B and T lymphocytes with impaired cellular immunity and decreased production of immunoglobulins, whereas elevated levels of this enzyme have been associated with congenital hemolytic anemia. [provided by RefSeq, Jul 2008]

### Function

Catalyzes the hydrolytic deamination of adenosine and 2-deoxyadenosine. Plays an important role in purine metabolism and in adenosine homeostasis. Modulates signaling by extracellular adenosine, and so contributes indirectly to cellular signaling events. Acts as a positive regulator of T-cell coactivation, by binding DPP4. Its interaction with DPP4 regulates lymphocyte-epithelial cell adhesion. [UniProt]

### Research Area

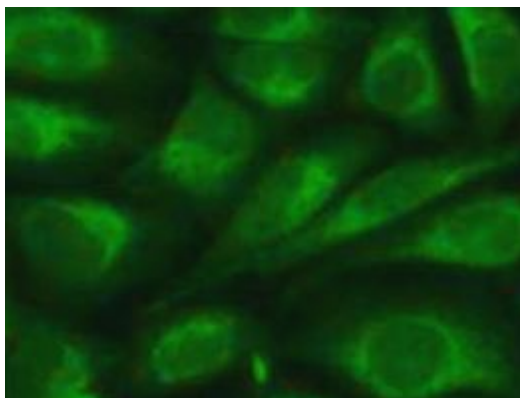
Cancer antibody; Gene Regulation antibody; Metabolism antibody

### Calculated Mw

41 kDa

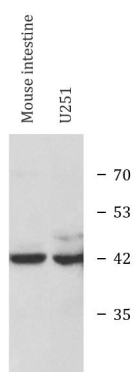
## Images

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ARG55118 anti-ADA antibody ICC/IF image

Immunofluorescence: U2OS cells stained with ARG55118 anti-ADA antibody.



ARG55118 anti-ADA antibody WB image

Western blot: Mouse intestine and U251 cell lysates stained with ARG55118 anti-ADA antibody.