

[KO Validated] Adenosine Deaminase (ADA) Rabbit pAb

Catalog No.: A18029 **KO** Validated

Basic Information

Catalog No.

A18029

Observed MW

41kDa

Calculated MW

40kDa

Category

Primary antibody

Applications

WB, IF


Cross-Reactivity

Human, Mouse, Rat

Recommended Dilutions

WB	1:500 - 1:2000
IF	1:50 - 1:200

Contact

 | www.abclonal.com

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.

Immunogen Information

Gene ID	Swiss Prot
100	P00813

Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 1-363 of human Adenosine Deaminase (Adenosine Deaminase (ADA)) (NP_000013.2).

Synonyms

ADA

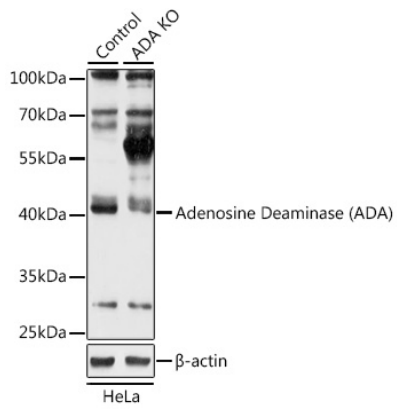
Product Information

Source	Isotype	Purification
Rabbit	IgG	Affinity purification

Storage

Store at -20°C. Avoid freeze / thaw cycles.
Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Validation Data



Western blot analysis of extracts from normal (control) and Adenosine Deaminase (Adenosine Deaminase (ADA)) knockout (KO) HeLa cells, using Adenosine Deaminase (Adenosine Deaminase (ADA)) antibody (A18029) at 1:3000 dilution.

Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25ug per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 5s.