

Datasheet for 200-401-140-0100**Adenosine Deaminase Antibody****Overview**

Description:	Anti-Adenosine Deaminase (Calf Spleen) (RABBIT) Antibody - 200-401-140-0100
Item No.:	200-401-140-0100
Size:	100 µg
Applications:	WB
Reactivity:	Bovine Calf Spleen
Host Species:	Rabbit

Product Details

Background:	Adenosine deaminase antibody is an enzyme involved in purine metabolism. It is needed for the breakdown of adenosine from food and for the turnover of nucleic acids in tissues. Present in virtually all mammalian cells, its primary function in humans is the development and maintenance of the immune system. However, the full physiological role of ADA is not yet completely understood. Anti-ADENOSINE DEAMINASE antibody is ideal for investigators involved in enzyme and infectious disease research.
Synonyms:	rabbit anti-Adenosine Deaminase Antibody, Adenosine deaminase, Adenosine aminohydrolase
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	ADA
Reactivity:	Bovine Calf Spleen
Immunogen Type:	Native Protein
Immunogen:	Adenosine Deaminase [Calf Spleen]

Purity/Specificity: Anti-Adenosine Deaminase antibody is an IgG fraction antibody purified from monospecific antiserum by a multi-step process which includes delipidation, salt fractionation and ion exchange chromatography followed by extensive dialysis against the buffer stated above. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Rabbit Serum as well as purified and partially purified Adenosine Deaminase [Calf Spleen]. Cross reactivity against Adenosine Deaminase from other tissues and species may occur but have not been specifically determined.

Relevant Links:

- [UniProtKB - P56658](#)
- [NCBI - NP_776312.1](#)
- [GeneID - 280712](#)

Application Details

Tested Applications: WB

Application Note: Anti-Adenosine Deaminase antibody has been tested in western blot and is suitable for ELISA and Immunoprecipitation applications. Anti-ADENOSINE DEAMINASE antibody was tested against 1.0 ug of Adenosine Deaminase [Calf Spleen] by immunoblot using Peroxidase conjugated Affinity Purified anti-Rabbit IgG [H&L] (Goat) and DAB as a substrate at room temperature. A working dilution of 1:8,000 to 1:40,000 is suggested for this product.

Assay Dilutions: All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.

ELISA: 1:5,000 - 1:20,000

IP: 1:100

WB: 1:500 - 1:5,000

Formulation

Physical State: Lyophilized

Concentration: 1.0 mg/ml by UV absorbance at 280 nm

Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2

Preservative: 0.01% (w/v) Sodium Azide

Stabilizer: None

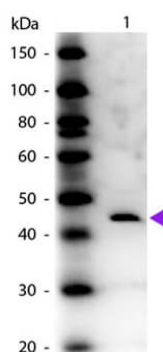
Reconstitution Volume: 100 µL

Reconstitution Buffer: Restore with deionized water (or equivalent)

Shipping & Handling

Shipping Condition:	Ambient
Storage Condition:	Store vial at 4° C prior to restoration. For extended storage aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Expiration:	Expiration date is one (1) year from date of receipt.

Images



Western Blot

Western blot of Rabbit Anti-Adenosine Deaminase (Calf Spleen) antibody. Lane 1: Adenosine Deaminase. Load: 50ng. Primary antibody: Adenosine Deaminase antibody at 1:1,000 for overnight at 4C. Secondary antibody: Peroxidase rabbit secondary antibody (p/n 611-103-122) at 1:40,000 for 30 min at RT. Blocking: MB-070 for 30 min at RT. Predicted/Observed size: 44 kDa for Adenosine Deaminase. Other band(s): None.

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.