

Datasheet for ABIN5596683
anti-ADA antibody (HRP)



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1 Image

Overview

Quantity:	100 µg
Target:	ADA
Reactivity:	Cow
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ADA antibody is conjugated to HRP
Application:	Western Blotting (WB), ELISA, Immunoprecipitation (IP)

Product Details

Purpose:	Adenosine Deaminase Antibody Peroxidase Conjugated
Immunogen:	Immunogen: Adenosine Deaminase [Calf Spleen] ADA Immunogen Type: Native Protein
Isotype:	IgG
Characteristics:	Synonyms: rabbit anti-Adenosine Deaminase Antibody Peroxidase Conjugation, HRP conjugated rabbit anti-Adenosine Deaminase Antibody, Adenosine deaminase, Adenosine aminohydrolase
Purification:	Anti-Adenosine deaminase Peroxidase antibody has been tested by ELISA and western blot and is assayed against 1.0 µg of Adenosine Deaminase [Calf Spleen] in a standard capture ELISA using ABTS (2,2'-azino-bis-[3-ethylbenthiazoline-6-sulfonic acid]) code # ABTS-100 as a substrate for 30 minutes at room temperature.

Target Details

Target:	ADA
Alternative Name:	ADA (ADA Products)
Background:	Background: Adenosine deaminase (adenosine aminhydrolase, or ADA) 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. ADA irreversibly deaminates adenosine, converting it to the related nucleoside inosine by the substitution of the amino group for a hydroxyl group. ADA irreversibly deaminates adenosine, converting it to the related nucleoside inosine by the substitution of the amino group for a hydroxyl group. Inosine can then be deribosylated by another enzyme called purine nucleoside phosphorylase (PNP), converting it to hypoxanthine.
Gene ID:	280712
NCBI Accession:	NP_776312
UniProt:	P56658
Pathways:	Regulation of G-Protein Coupled Receptor Protein Signaling, Ribonucleoside Biosynthetic Process

Application Details

Application Notes:	Application Note: Anti-Adenosine deaminase has been assayed against 1.0 µg of Adenosine Deaminase [Calf Spleen] in a standard capture ELISA using ABTS (2,2'-azino-bis-[3-ethylbenthiazoline-6-sulfonic acid]) code # ABTS-100 as a substrate for 30 minutes at room temperature. A working dilution of 1:20,000 to 1:100,000 of the reconstitution concentration is suggested for this product. Western Blot Dilution: 1:500 - 1:5,000 Immunoprecipitation Dilution: 1:100 ELISA Dilution: 1:1,000 - 1:5,000 Other: User Optimized
Restrictions:	For Research Use only

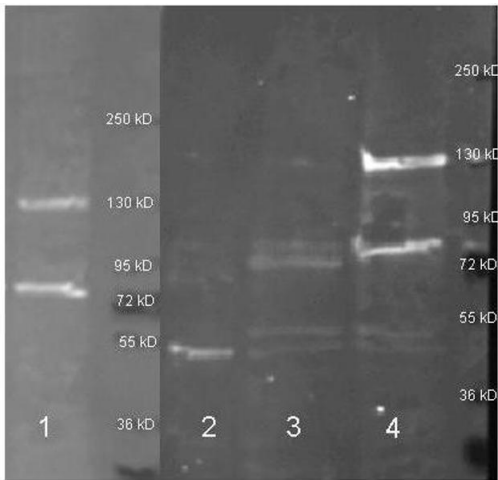
Handling

Format:	Lyophilized
Reconstitution:	Reconstitution Volume: 100 µL Reconstitution Buffer: Restore with deionized water (or equivalent)
Concentration:	10.0 mg/mL

Handling

Buffer:	Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2 Stabilizer: 10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free Preservative: 0.01 % (w/v) Gentamicin Sulfate. Do NOT add Sodium Azide!
Preservative:	Gentamicin sulfate
Precaution of Use:	This product contains Gentamicin sulfate: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	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.
Expiry Date:	12 months

Images



Western Blotting

Image 1. biotin conjugated anti adenosine deaminase (200-406-140) was used to detect adenosine deaminase in mouse pancreas lysate (Left, Lane 1, 30 ul) under reducing conditions. The antibody was also used to detect purified Adenosine Deaminase (right, Lane 2), and endogenous Adenosine Deaminase in whole cell lysate from Jurkat and Raji cells (1:1 mixture, lane 3,) as well as Mouse Pancreas and Liver (1:1 mixture, lane 4). Lysates were run on 4-20% gel 140V under reducing conditions, transferred for 30 minutes at 100 V and blocked with 3% Fish Gel (left) or 3% BSA. Blot was incubated with (1:5K in TBS, ON 4°C), washed 3X in TBS and incubated for 30 minutes with Dylight 488 conjugated Streptavidin (S000-41 lot 20833 1:5K in MB-070). Blot was imaged with the Biorad VersaDoc imaging system.