

R1046PS**Polyclonal Antibody to Adenosine deaminase - Purified****Alternate names:**

ADA, Adenosine aminohydrolase

Quantity:

0.1 mg

Concentration:

1.0 mg/ml (by UV absorbance at 280 nm)

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.

Uniprot ID:[P56658](#)**NCBI:**[NP_776312.1](#)**GeneID:**[280712](#)**Host:**

Rabbit

Immunogen:

Adenosine deaminase from calf spleen

Format:**State:** Lyophilized purified Ig fraction**Purification:** Multi-step process including delipidation, salt fractionation and ion exchange chromatography followed by extensive dialysis against the buffer**Buffer System:** 0.02 M Potassium phosphate, 0.15 M Sodium chloride, pH 7.2**Preservatives:** 0.01% (w/v) Sodium azide**Reconstitution:** Restore with 0.1 ml of deionized water (or equivalent).**Applications:****Western blot:** 1/500-1/5,000.**Immunoprecipitation:** 1/100.**ELISA:** 1/5,000-1/20,000.

This product has been assayed against 1.0 µg of adenosine deaminase [calf spleen] by immunoblot using peroxidase conjugated affinity purified anti-rabbit IgG [H&L] (goat) (R1364HRP) and DAB as a substrate at room temperature. A working dilution of 1/8,000 to 1/40,000 of the reconstitution concentration is suggested.

Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Specificity:

This antibody detects Adenosine deaminase [Calf spleen].

Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-rabbit serum as well as purified and partially purified Adenosine deaminase [Calf spleen].

Species Reactivity:**Tested:** Bovine.**Expected from sequence similarity:** Human (90%), Mouse/Rat (85%).**Add. Information:**

Conjugates available. Please ask for details.

Storage:

Store lyophilized at 2-8°C for 6 months or at -20°C long term.
After reconstitution store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C long term. Dilute only prior to immediate use. Avoid repeated freezing and thawing.
Shelf life: one year from despatch.

Pictures:

Western blot of Adenosine deaminase (calf spleen) antibody. Lane 1: Adenosine deaminase. Lane 2: None. Load: 50 ng per lane. Primary antibody: Adenosine deaminase antibody at 1/1,000 for overnight at 4°C. Secondary antibody: Peroxidase rabbit secondary antibody at 1/40,000 for 30 min at RT. Blocking buffer for 30 min at RT.
Predicted/observed size: 44 kDa, 44 kDa for Adenosine deaminase. Other band(s): None.

