

Datasheet for ABIN2784608
anti-ADA antibody (N-Term)



[Go to Product page](#)

1 Image

1 Publication

Overview

Quantity:	100 µL
Target:	ADA
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Cow, Guinea Pig, Rabbit, Horse, Dog
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ADA antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human ADA
Sequence:	AIAGCREAIK RIAYEFVEMK AKEGVVYVEV RYSPHLLANS KVEPIPWNQA
Predicted Reactivity:	Cow: 100%, Dog: 93%, Guinea Pig: 100%, Horse: 86%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%
Characteristics:	This is a rabbit polyclonal antibody against ADA. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	ADA
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Target Details

Alternative Name:	ADA (ADA Products)
Background:	ADA is 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. Alias Symbols: - Protein Interaction Partner: UBC, SGCD, PIAS2, TERF2IP, TNF2, ADORA2B, DPP4, NR3C1, DRD1, GRB2, ADORA2A, ADORA1, Protein Size: 363
Molecular Weight:	41 kDa
Gene ID:	100
NCBI Accession:	NM_000022 , NP_000013
UniProt:	P00813
Pathways:	Regulation of G-Protein Coupled Receptor Protein Signaling , Ribonucleoside Biosynthetic Process

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 363 AA
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

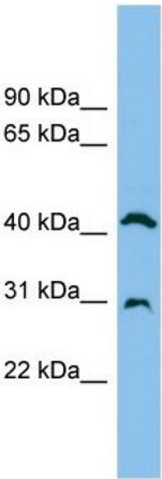
Handling

Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Publications

Product cited in:	Ferrante, Martire, Pepponi, Varani, Vincenzi, Ferraro, Beggiato, Tebano, Popoli: "Expression, pharmacology and functional activity of adenosine A1 receptors in genetic models of Huntington's disease." in: Neurobiology of disease , Vol. 71, pp. 193-204, (2014) (PubMed).
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Images



Western Blotting

Image 1. WB Suggested Anti-ADA Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:62500 Positive Control: NCI-H226 cell lysate