

Rabbit anti-Human ADA Polyclonal Antibody | anti-ADA antibody

ADA Antibody (C-term)

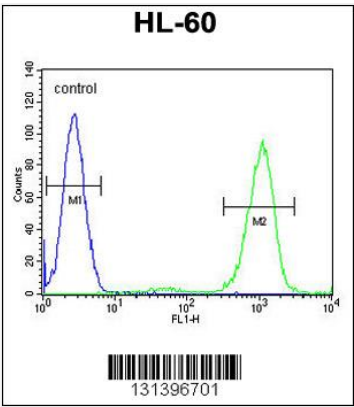
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA288217	Rabbit	Human	Western Blot, Flow Cytometry, Functional Assay

PRODUCT SYNONYMS

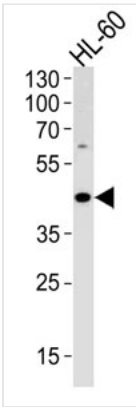
ADA; Polyclonal Antibody; ADA Antibody (C-term); Adenosine deaminase; Adenosine aminohydrolase; ADA1; anti-ADA antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This ADA antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 287-314 amino acids from the C-terminal region of human ADA.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Sequence Positions	287-314
Sequence Length	363
Applicable Applications for anti-ADA antibody	WB (Western Blot), FCM/FACS (Flow Cytometry)
Antigen Type	Synthetic Peptide
Crown Antibody	Yes
Antigen Source	HUMAN
Function	Catalyzes the hydrolytic deamination of adenosine and 2- deoxyadenosine. Plays an important role in purine metabolism and in adenosine homeostasis. Modulates signaling by extracellular adenosine, and so contributes indirectly to cellular signaling events. Acts as a positive regulator of T-cell coactivation, by binding DPP4. Its interaction with DPP4 regulates lymphocyte- epithelial cell adhesion.
Cellular Location	Cell membrane; Peripheral membrane protein; Extracellular side. Cell junction. Cytoplasmic vesicle lumen. Cytoplasm. Note=Colocalized with DPP4 at the cell junction in lymphocyte-epithelial cell adhesion
Tissue Location	Found in all tissues, occurs in large amounts in T-lymphocytes and, at the time of weaning, in gastrointestinal tissues
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



FCM/FACS (Flow Cytometry)
ADA Antibody (C-term) flow cytometric analysis of HL-60 cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



WB (Western Blot)
ADA Antibody (C-term) western blot analysis in HL-60 cell line lysates (35ug/lane). This demonstrates the ADA antibody detected the ADA protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-ADA antibody	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.
Product Categories/Family for anti-ADA antibody	Crown Antibodies; Cancer; Metabolism; Neuroscience
References	Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010) Gloria-Bottini, F., et al. Am. J. Med. Sci. 340(2):103-108(2010) Levine, A.J., et al. Cancer Epidemiol. Biomarkers Prev. 19(7):1812-1821(2010) Spina, C., et al. Cancer Invest. (2010) In press : Ri, G., et al. Anticancer Res. 30(6):2347-2349(2010)

NCBI AND UNIPROT INFORMATION

NCBI GI #	47078295
NCBI GeneID	100
NCBI Accession #	NP_000013.2
NCBI GenBank Nucleotide #	NM_000022.2
UniProt Accession #	P00813; Q53F92; Q6LA59
Molecular Weight	40764
NCBI Official Full Name	adenosine deaminase
NCBI Official Synonym Full Names	adenosine deaminase
NCBI Official Symbol	ADA
NCBI Protein Information	adenosine deaminase
UniProt Protein Name	Adenosine deaminase
UniProt Gene Name	ADA

UniProt Synonym Gene Names	ADA1
UniProt Entry Name	ADA_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://www.aaabiotech.com/polyclonal/ada-antibody-western-blot-flow-cytometry-elisa/288217>