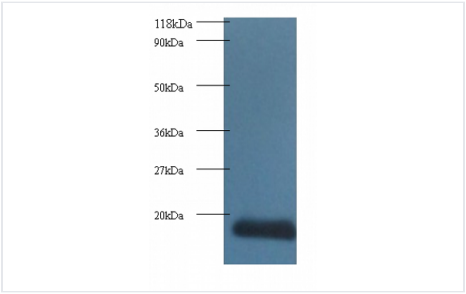
Cytidine Deaminase (CDA) Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	Cytidine deaminase (CDA), Polyclonal Antibody
Full Product Name	Cytidine deaminase antibody
Product Gene Name	anti-CDA antibody
Product Synonym Names	Polyclonal Cytidine deaminase; Anti-Cytidine deaminase; Cytidine aminohydrolase; CDD
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Form/Format	Supplied with 0.03% Proclin 300, 50% Glycerol and 0.01M PBS, PH 7.4
Purity/Purification	Cytidine deaminase antibody was purified by Ammonium Sulfate precipitation
Preparation and Storage	Store at 4 degree C for short term storage and -20 degree C for long term storage. Avoid repeat freeze/thaw cycles
Molecular Weight	16,185 Da
OMIM	123920
Cross-Reactivity	Human
Immunogen	Cytidine deaminase antibody was raised in Rabbit using recombinant human Cytidine deaminase protein as the immunogen
Product Categories/Family for anti-CDA antibody	Proteases; Inhibitors; & Enzymes; Purified Polyclonal Antibodies
Applications Tested/Suitable for anti-CDA antibody	ELISA (EIA), Immunohistochemistry (IHC), Western Blot (WB)
Related Product Information for anti-CDA antibody	MBS5300438 is an antibody targeting CDA. Also known as Cytidine deaminase antibody. Host: Rabbit. Rabbit polyclonal Cytidine deaminase antibody
Other Notes	Small volumes of anti-CDA antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Western Blot (WB) of anti-CDA antibody

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CDA. It may not necessarily be applicable to this product.

NCBI GI #	11386157
NCBI GeneID	978
NCBI Accession #	NP_001776.1
UniProt Related Accession #	P32320
GenBank Nucleotide #	NM_001785.2
NCBI Official Full Name	cytidine deaminase
NCBI Official Synonym Full Names	cytidine deaminase
NCBI Official Symbol	CDA
NCBI Official Synonym Symbols	CDD
UniProt Protein Name	Cytidine deaminase
UniProt Synonym Protein Names	Cytidine aminohydrolase
Protein Family	Calcium-transporting ATPase
UniProt Gene Name	CDA
UniProt Synonym Gene Names	CDD
UniProt Entry Name	CDD_HUMAN
NCBI Protein Information	cytidine deaminase
NCBI Summary for CDA	This gene encodes an enzyme involved in pyrimidine salvaging. The encoded protein forms a homotetramer that catalyzes the irreversible hydrolytic deamination of cytidine and deoxycytidine to uridine and deoxyuridine, respectively. It is one of several deaminases responsible for maintaining the cellular pyrimidine pool. Mutations in this gene are associated with decreased sensitivity to the cytosine nucleoside analogue cytosine arabinoside used in the treatment of certain childhood leukemias. [provided by RefSeq, Jul 2008]
UniProt Comments for CDA	CDA: This enzyme scavenge exogenous and endogenous cytidine and 2'-deoxycytidine for UMP synthesis. Belongs to the cytidine and deoxycytidylate deaminase family. Protein type: EC 3.5.4.5; Nucleotide Metabolism - pyrimidine; Hydrolase; Xenobiotic Metabolism - drug metabolism - other enzymes Chromosomal Location of Human Ortholog: 1p36.2-p35 Cellular Component: extracellular region; cytosol Molecular Function: protein homodimerization activity; zinc ion binding; nucleoside binding; cytidine deaminase activity Biological Process: cell surface receptor linked signal transduction; cytosine metabolic process; pyrimidine base metabolic process; nucleobase, nucleoside and nucleotide metabolic process; pyrimidine nucleoside salvage; cytidine deamination; negative regulation of cell growth; pyrimidine salvage; negative regulation of nucleotide metabolic process; protein homotetramerization
Research Articles on CDA	**1.** The A79C CDA polymorphism did not show a significant impact on the response rate to gemcitabine in NSCLC patients, while the wild type CDA genotype was indeed correlated to a lower rate of incidence of severe anemia in patients taking gemcitabine.
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