

CDA Antibody (Center)
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP2868c

Specification

CDA Antibody (Center) - Product Information

Application	WB,E
Primary Accession	P32320
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	16185
Antigen Region	51-83

CDA Antibody (Center) - Additional Information

Gene ID 978

Other Names

Cytidine deaminase, Cytidine aminohydrolase, CDA, CDD

Target/Specificity

This CDA antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 51-83 amino acids from the Central region of human CDA.

Dilution

WB~~1:1000

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

CDA Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

CDA Antibody (Center) - Protein Information

Name CDA ([HGNC:1712](#))

Synonyms CDD

Function This enzyme scavenges exogenous and endogenous cytidine and 2'-deoxycytidine for

UMP synthesis.

Tissue Location

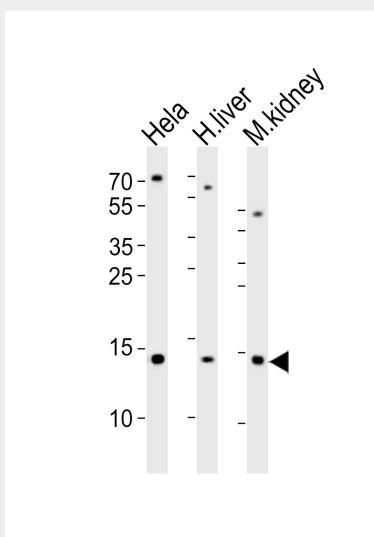
Highly expressed in granulocytes while expression is very low in fibroblasts, chondrocytes, monocytes, and T- as well as B-cell lines

CDA Antibody (Center) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

CDA Antibody (Center) - Images



Western blot analysis of lysates from HeLa cell line, human liver and mouse kidney tissue lysate(from left to right), using CDA Antibody (Center)(Cat. #AP2868c). AP2868c was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:10000 dilution was used as the secondary antibody. Lysates at 35ug per lane.

CDA Antibody (Center) - Background

CDA forms a homotetramer that catalyzes the irreversible hydrolytic deamination of cytidine and deoxycytidine to uridine and deoxyuridine, respectively. This protein is one of several deaminases responsible for maintaining the cellular pyrimidine pool. Mutations in the CDA gene are associated with decreased sensitivity to the cytosine nucleoside analogue cytosine arabinoside used in the treatment of certain childhood leukemias.

CDA Antibody (Center) - References

Laliberte J., Momparler R.L.Cancer Res. 54:5401-5407(1994)

Demontis S., Terao M. *Biochim. Biophys. Acta* 1443:323-333(1998)

Kuhn K., Bertling W.M., Emmrich F. *Biochem. Biophys. Res. Commun.* 190:1-7(1993)