

# CDA Antibody (Center)

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AW5473

## Product Information

---

<b>Application</b>	WB
<b>Primary Accession</b>	<a href="#">P32320</a>
<b>Reactivity</b>	Human, Mouse
<b>Predicted</b>	Rat
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Calculated MW</b>	16185
<b>Isotype</b>	Rabbit IgG
<b>Antigen Source</b>	HUMAN

## Additional Information

---

<b>Gene ID</b>	978
<b>Antigen Region</b>	51-83
<b>Other Names</b>	Cytidine deaminase, Cytidine aminohydrolase, CDA, CDD
<b>Dilution</b>	WB~~1:1000
<b>Target/Specificity</b>	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.
<b>Format</b>	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.
<b>Storage</b>	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.
<b>Precautions</b>	CDA Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

---

<b>Name</b>	CDA ( <a href="#">HGNC:1712</a> )
<b>Synonyms</b>	CDD
<b>Function</b>	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

## 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.

## References

---

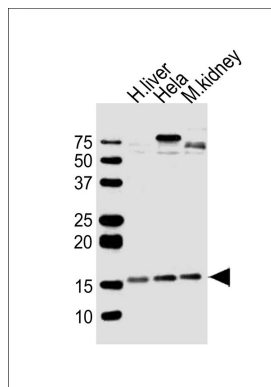
Laliberte J., Momparler R.L.Cancer Res. 54:5401-5407(1994)

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)

## Images

---



All lanes : Anti-CDA Antibody (Center) at 1:1000 dilution  
Lane 1: human liver lysates Lane 2: HeLa whole cell lysates Lane 3: mouse kidney lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution  
Predicted band size : 16 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.