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CDA Antibody (Center)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AW5473

Product Information

Application	WB
Primary Accession	P32320
Reactivity	Human, Mouse
Predicted	Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	16185
Isotype	Rabbit IgG
Antigen Source	HUMAN

Additional Information

Gene ID	978
Antigen Region	51-83
Other Names	Cytidine deaminase, Cytidine aminohydrolase, CDA, CDD
Dilution	WB~~1:1000
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.
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.

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

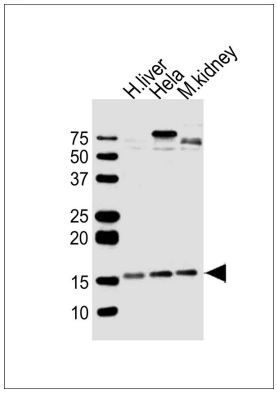
Background

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'.