

## Rabbit CDA Polyclonal Antibody | anti-CDA antibody

CDA Antibody

|                               |                       |                                        |                                                                  |
|-------------------------------|-----------------------|----------------------------------------|------------------------------------------------------------------|
| CATALOG #<br><b>AAA326513</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human, Mouse, Rat</b> | APPLICATIONS<br><b>ELISA, Immunohistochemistry, Western Blot</b> |
|-------------------------------|-----------------------|----------------------------------------|------------------------------------------------------------------|

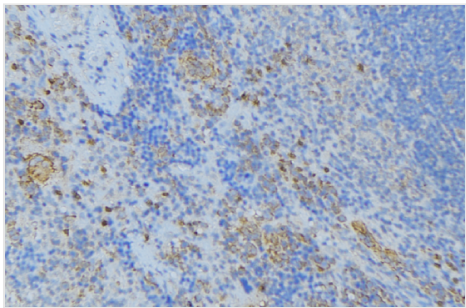
### PRODUCT SYNONYMS

CDA; Polyclonal Antibody; CDA Antibody; CDD; Cytidine aminohydrolase; Cytidine deaminase; EC 3.5.4.5; anti-CDA antibody

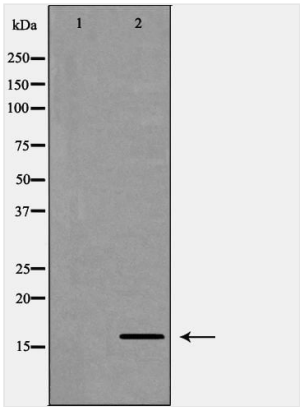
### PRODUCT SPECIFICATIONS

|                                               |                                                                                                                                       |
|-----------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| Host                                          | Rabbit                                                                                                                                |
| Reactivity                                    | Human, Mouse, Rat                                                                                                                     |
| Clonality                                     | Polyclonal                                                                                                                            |
| Isotype                                       | IgG                                                                                                                                   |
| Specificity                                   | CDA antibody detects endogenous levels of total CDA                                                                                   |
| Purity/Purification                           | The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.                                         |
| Form/Format                                   | Liquid<br>Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.                                         |
| Concentration                                 | 1mg/ml (varies by lot)                                                                                                                |
| Sequence Length                               | 146                                                                                                                                   |
| Applicable Applications for anti-CDA antibody | ELISA, IHC (Immunohistochemistry), WB (Western Blot)                                                                                  |
| Immunogen                                     | A synthesized peptide derived from human CDA                                                                                          |
| Tissue Specificity                            | Highly expressed in granulocytes while expression is very low in fibroblasts, chondrocytes, monocytes, and T-as well as B-cell lines. |
| Predicted Cross Reactivity                    | <b>Pig, Bovine, Horse, Rabbit, Dog, Chicken</b>                                                                                       |
| Similarity                                    | Pig (88%), Bovine (88%), Horse (100%), Rabbit (88%), Dog (100%), Chicken (88%)                                                        |
| Conjugation                                   | Unconjugated                                                                                                                          |
| Preparation and Storage                       | Store at -20 degree C. Stable for 12 months from date of receipt.                                                                     |

IMAGES



**IHC (Immunohistochemistry)**  
AAA326513 at 1/100 staining Human lymph node tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



**WB (Western Blot)**  
Western blot analysis of Hela whole cell lysates, using CDA Antibody. The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

|                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|----------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Related Product Information for anti-CDA antibody</b> | <p>Description: 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.</p> <p>Function: This enzyme scavenges exogenous and endogenous cytidine and 2'-deoxycytidine for UMP synthesis.</p> <p>Subunit Structure: Homotetramer.</p> <p>Similarity: Belongs to the cytidine and deoxycytidylate deaminase family.</p> |
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NCBI AND UNIPROT INFORMATION

|                                  |                                       |
|----------------------------------|---------------------------------------|
| NCBI GI #                        | 11386157                              |
| NCBI GeneID                      | 978                                   |
| NCBI Accession #                 | NP_001776.1                           |
| NCBI GenBank Nucleotide #        | NM_001785.2                           |
| UniProt Accession #              | P32320                                |
| Molecular Weight                 | Observed: 16 kDa<br>Predicted: 17 kDa |
| NCBI Official Full Name          | cytidine deaminase                    |
| NCBI Official Synonym Full Names | cytidine deaminase                    |
| NCBI Official Symbol             | CDA                                   |
| NCBI Official Synonym Symbols    | CDD                                   |
| NCBI Protein Information         | cytidine deaminase                    |
| UniProt Protein Name             | Cytidine deaminase                    |
| UniProt Gene Name                | CDA                                   |
| UniProt Synonym Gene Names       | CDD                                   |

**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.

