

# KD-Validated Anti-CDA Rabbit Monoclonal Antibody

*Rabbit monoclonal antibody*

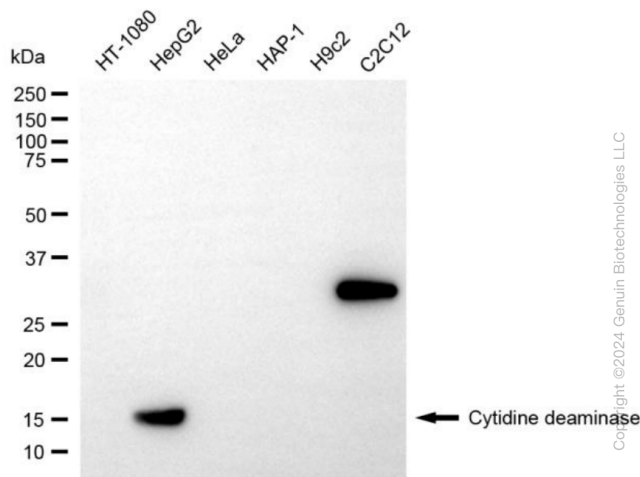
ABG2048

## Product Overview

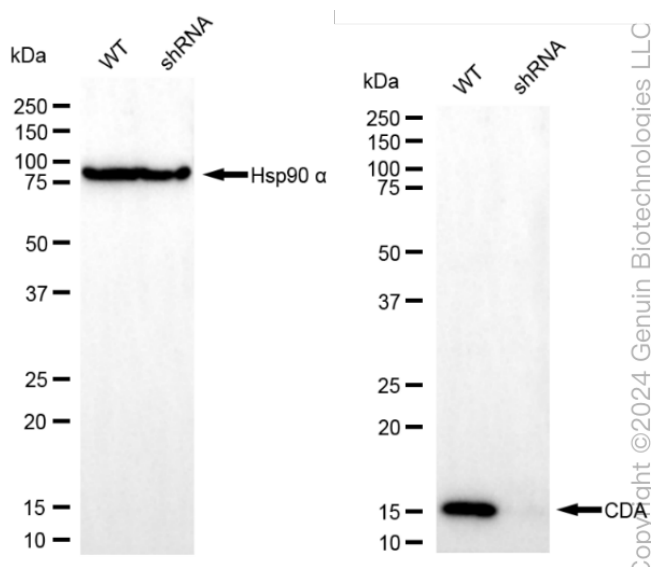
|                             |                                                                                                             |
|-----------------------------|-------------------------------------------------------------------------------------------------------------|
| <b>Name</b>                 | KD-Validated Anti-CDA Rabbit Monoclonal Antibody                                                            |
| <b>Accession(Primary)</b>   | P32320                                                                                                      |
| <b>Host Species</b>         | Rabbit                                                                                                      |
| <b>Clonality</b>            | Monoclonal                                                                                                  |
| <b>Isotype</b>              | Rabbit IgG                                                                                                  |
| <b>Immunogen</b>            | Recombinant protein of human CDA                                                                            |
| <b>Species Reactivity</b>   | Human                                                                                                       |
| <b>Calculated MW</b>        | Predicted, 16 kDa, observed, 16 kDa                                                                         |
| <b>Storage Buffer</b>       | Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.                                   |
| <b>Recommended Dilution</b> | Western Blotting (WB): 1:1,000-1:5,000 Flow Cytometry (FCM): 1:2,000Immunocytochemistry (IC): 1:100-1:1,000 |

## Target information (P32320)

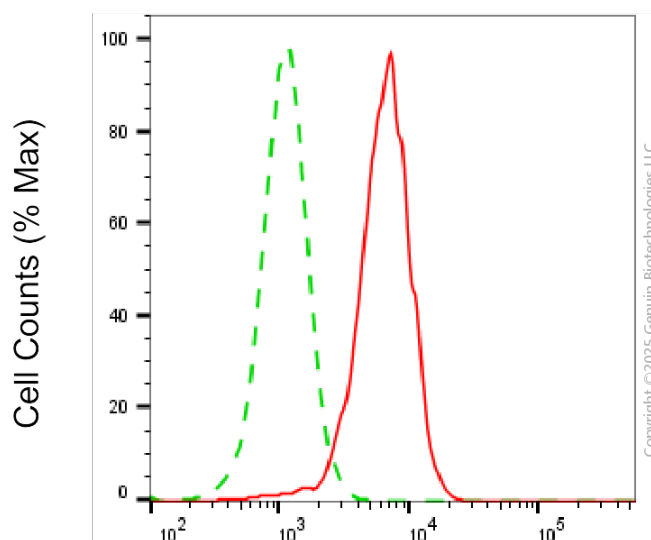
|                          |                                                                                                                                                                                                                                                                         |
|--------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>         | CDA                                                                                                                                                                                                                                                                     |
| <b>About Gene Symbol</b> | CDA (Cytidine Deaminase) is a metabolic enzyme involved in cellular metabolism. It is an important research target in metabolic disease, cancer metabolism, and drug discovery and is widely studied to elucidate cellular mechanisms and identify therapeutic targets. |



Western blotting analysis using anti-cytidine deaminase antibody (Cat#ABG2048). Total cell lysates (30  $\mu$ g) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-cytidine deaminase antibody (Cat#ABG2048, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.

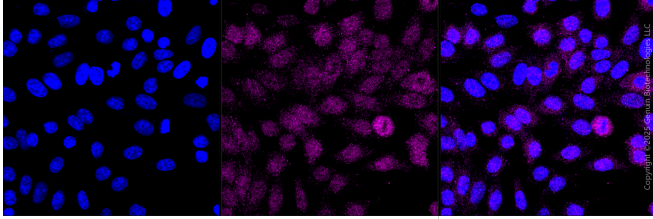


Western blotting analysis using anti-cytidine deaminase antibody (Cat#ABG2048). Cytidine deaminase expression in wild type (WT) and cytidine deaminase (CDA) knockdown (KD) HSHC cells with 20  $\mu$ g of total cell lysates. Hsp90  $\alpha$  serves as a loading control. The blot was incubated with anti-cytidine deaminase antibody (Cat#ABG2048, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



Flow cytometric analysis of Cytidine deaminase expression in HepG2 cells using anti-Cytidine deaminase antibody (Cat#ABG2048, 1:2,000). Green, isotype control; red, Cytidine deaminase.

Cytidine deaminase-Alexa Fluor<sup>®</sup> 647



Immunocytochemical staining of HepG2 cells with anti-Cytidine deaminase antibody (Cat#ABG2048, 1:1,000). Nuclei were stained blue with DAPI; Cytidine deaminase was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium. Scale bar, 20  $\mu$ m.