

## DCTD Antibody

*Deoxycytidylate deaminase, dCMP deaminase*

**CATALOG NO.:** XW-7895

**BACKGROUND:**

**FUNCTION:** Supplies the nucleotide substrate for thymidylate synthetase. **CATALYTIC ACTIVITY:** dCMP + H<sub>2</sub>O = dUMP + NH<sub>3</sub>. **SUBUNIT:** Homohexamer. **SIMILARITY:** Belongs to the cytidine and deoxycytidylate deaminase family. **COFACTOR:** Zinc. **ENZYME REGULATION:** Allosteric enzyme whose activity is greatly influenced by the end products of its metabolic pathway, dCTP and dTTP.

**TESTED APPLICATION:**

WB

**SPECIES REACTIVITY:**

H

**CLONALITY:**

Polyclonal

**HOST:**

Chicken

**IMMUNOGEN:**

1-178

**PROTEIN GI #:**

4503277

**PROTEIN ACCESSION #:**

NP\_001912.1

**PURIFICATION:**

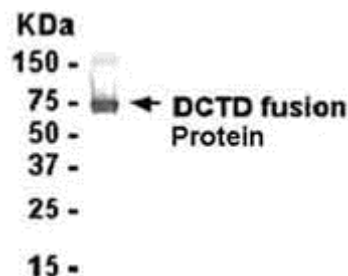
Immunoaffinity Purified

**BUFFER:**

Phosphate-Buffered Saline. No preservatives added.

**APPLICATION:**

Deoxycytidylate deaminase IgY antibody can be used for the detection of Deoxycytidylate deaminase by Western Blot.



E coli-derived fusion protein as test antigen. Affinity-purified IgY dilution: 1:2000, Goat anti-IgY-HRP dilution: 1:1000. Colorimetric method for signal development.

**STORAGE:**

This antibody can be stored at 4°C for short term (weeks). Long term storage should be at -20°C. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

**USER NOTES:**

When working with antibodies optimal dilutions/concentrations should be determined by the end user for each application. The information provided is a guideline for antibody use. As with all ProSci antibodies, this antibody is for research use only.