

## Product datasheet for **AP51205PU-N**

### DCTD (N-term) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	<b>ELISA:</b> 1/1000. <b>Western Blot:</b> 1/100-1/500.
Reactivity:	Human
Host:	Rabbit
Isotype:	Ig
Clonality:	Polyclonal
Immunogen:	KLH conjugated synthetic peptide between 1-30 amino acids from the N-terminal region of Human DCTD.
Specificity:	This antibody recognizes Human DCTD (N-term).
Formulation:	PBS State: Aff - Purified State: Liquid purified Ig fraction Preservative: 0.09% Sodium Azide
Concentration:	lot specific
Purification:	Affinity Chromatography on Protein A
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	dCMP deaminase
Database Link:	<a href="#">Entrez Gene 1635 Human P32321</a>



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**Background:**

The protein encoded by this gene catalyzes the deamination of dCMP to dUMP, the nucleotide substrate for thymidylate synthase. The encoded protein is allosterically activated by dCTP and inhibited by dTTP, and is found as a homohexamer. This protein uses zinc as a cofactor for its activity. Two transcript variants encoding different isoforms have been found for this gene

**Synonyms:**

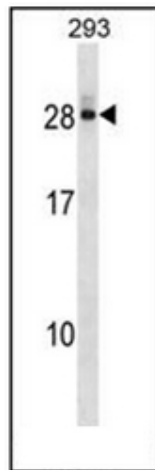
Deoxycytidylate deaminase, dCMP deaminase

**Note:**

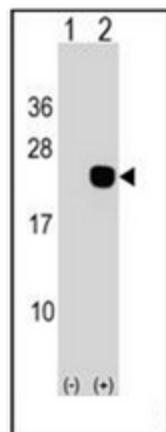
**Molecular Weight:** 20016 Da

**Protein Pathways:**

Metabolic pathways, Pyrimidine metabolism

**Product images:**


Western blot analysis of DCTD Antibody (N-term) in 293 cell line lysates (35ug/lane). This demonstrates the DCTD antibody detected the DCTD protein (arrow)



Western blot analysis of DCTD (arrow) using DCTD Antibody (N-term). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the DCTD gene.