

**DPYS Antibody (C-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP13434b**

**Specification**

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**DPYS Antibody (C-term) - Product Information**

Application	<b>WB, IHC-P,E</b>
Primary Accession	<a href="#">O14117</a>
Other Accession	<a href="#">NP_001376.1</a>
Reactivity	<b>Human</b>
Host	<b>Rabbit</b>
Clonality	<b>Polyclonal</b>
Isotype	<b>Rabbit IgG</b>
Calculated MW	<b>56630</b>
Antigen Region	<b>454-482</b>

**DPYS Antibody (C-term) - Additional Information**

**Gene ID** 1807

**Other Names**

Dihydropyrimidinase, DHP, DHPase, Dihydropyrimidine amidohydrolase, Hydantoinase, DPYS

**Target/Specificity**

This DPYS antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 454-482 amino acids from the C-terminal region of human DPYS.

**Dilution**

WB~~1:1000  
IHC-P~~1:10~50

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**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**

DPYS Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**DPYS Antibody (C-term) - Protein Information**

**Name** DPYS

**Function** Catalyzes the second step of the reductive pyrimidine degradation, the reversible

hydrolytic ring opening of dihydropyrimidines. Can catalyze the ring opening of 5,6-dihydrouracil to N-carbamyl-alanine and of 5,6-dihydrothymine to N-carbamyl-amino isobutyrate.

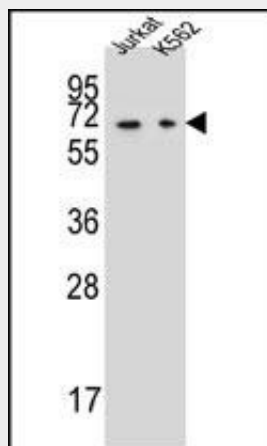
**Tissue Location**

Liver and kidney.

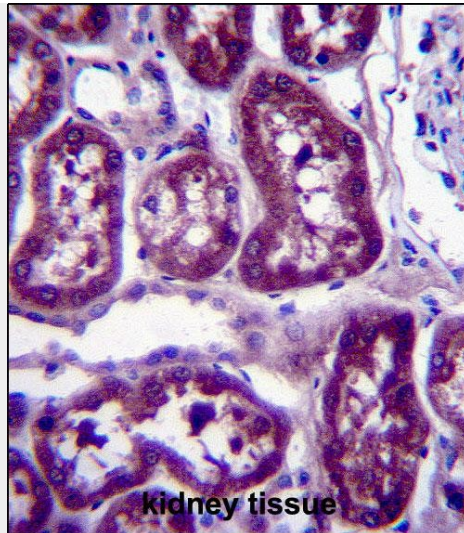
**DPYS Antibody (C-term) - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**DPYS Antibody (C-term) - Images**

DPYS Antibody (C-term) (Cat. #AP13434b) western blot analysis in Jurkat, K562 cell line lysates (35ug/lane). This demonstrates the DPYS antibody detected the DPYS protein (arrow).



DPYS Antibody (C-term) (Cat. #AP13434b) immunohistochemistry analysis in formalin fixed and paraffin embedded human kidney tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of DPYS Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.

#### **DPYS Antibody (C-term) - Background**

Dihydropyrimidinase catalyzes the conversion of 5,6-dihydrouracil to 3-ureidopropionate in pyrimidine metabolism. Dihydropyrimidinase is expressed at a high level in liver and kidney as a major 2.5-kb transcript and a minor 3.8-kb transcript. Defects in the DPYS gene are linked to dihydropyrimidinuria.

#### **DPYS Antibody (C-term) - References**

Kim, H.Y., et al. *BMB Rep* 43(8):547-553(2010)  
van Kuilenburg, A.B., et al. *Biochim. Biophys. Acta* 1802 (7-8), 639-648 (2010) :  
Fidlerova, J., et al. *Cancer Chemother. Pharmacol.* 65(4):661-669(2010)  
Thomas, H.R., et al. *Pharmacogenet. Genomics* 18(1):25-35(2008)  
Thomas, H.R., et al. *Pharmacogenet. Genomics* 17(11):973-987(2007)