

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

DPYS Antibody (C-term) - Product Information

Application	IHC-P, WB,E
Primary Accession	Q14117
Other Accession	NP_001376.1
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	56630
Antigen Region	454-482

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

IHC-P~~1:10~50

WB~~1:1000

E~~Use at an assay dependent concentration.

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

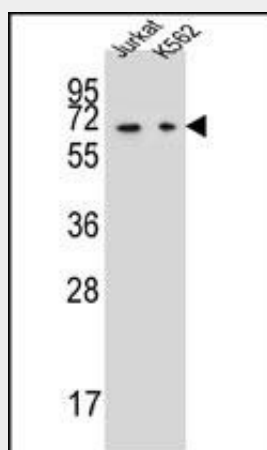
Liver and kidney.

DPYS Antibody (C-term) - Protocols

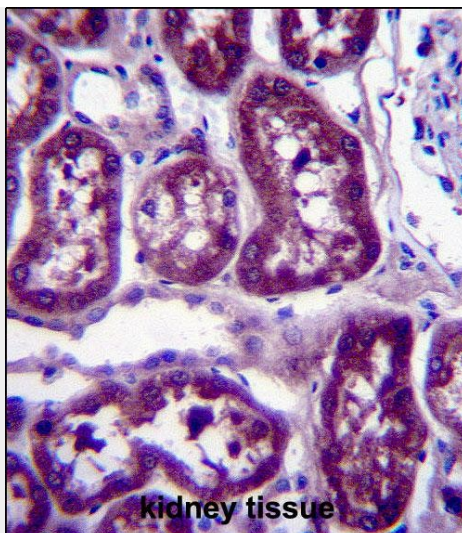
Provided below are standard protocols that you may find useful for product applications.

- [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)
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