

DPYS Antibody (C-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AW5575

Specification

DPYS Antibody (C-term) - Product Information

| | |
|-------------------|------------------------|
| Application | WB, IHC-P,E |
| Primary Accession | Q14117 |
| Reactivity | Human |
| Host | Rabbit |
| Clonality | Polyclonal |
| Calculated MW | H=57;M=57 KDa |
| Isotype | Rabbit IgG |
| Antigen Source | HUMAN |

DPYS Antibody (C-term) - Additional Information

Gene ID 1807

Antigen Region
454-482

Other Names

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

Dilution

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

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.

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

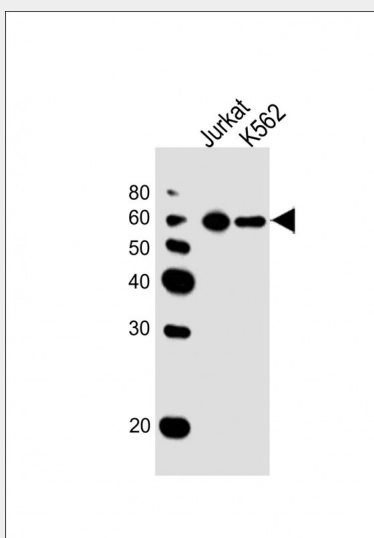
Liver and kidney.

DPYS Antibody (C-term) - Protocols

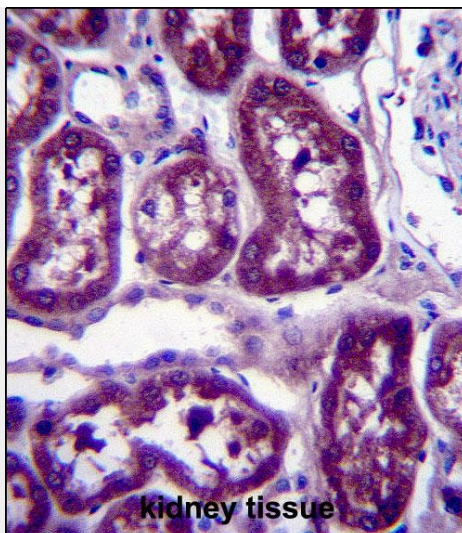
Provided below are standard protocols that you may find useful for product applications.

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

DPYS Antibody (C-term) - Images



All lanes : Anti-DPYS Antibody (C-term) at 1:1000 dilution Lane 1: Jurkat whole cell lysate Lane 2: K562 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 57 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



kidney tissue

DPYS Antibody (C-term) (Cat. #AW5575) 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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