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Datasheet for ABIN2776833 anti-DPYS antibody (Middle Region)

1 Image

1 Publication



Overview

| Quantity: | 100 μL |
|----------------------|---------------------------------------------------------------------------------|
| Target: | DPYS |
| Binding Specificity: | Middle Region |
| Reactivity: | Human, Mouse, Rat, Rabbit, Cow, Zebrafish (Danio rerio), Dog, Guinea Pig, Horse |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This DPYS antibody is un-conjugated |
| Application: | Western Blotting (WB) |

Product Details

| Immunogen: | The immunogen is a synthetic peptide directed towards the middle region of human DPYS | |
|-----------------------|--------------------------------------------------------------------------------------------------------------------------------|--|
| Sequence: | LRPDPSTPDF LMNLLANDDL TTTGTDNCTF NTCQKALGKD DFTKIPNGVN | |
| Predicted Reactivity: | Cow: 100%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%, Zebrafish: 100% | |
| Characteristics: | This is a rabbit polyclonal antibody against DPYS. It was validated on Western Blot using a cell lysate as a positive control. | |
| Purification: | Protein A purified | |
| Target Details | | |
| Target: | DPYS | |

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| Target Details | |
|---------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Alternative Name: | DPYS (DPYS Products) |
| 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.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 dihydropyrimidine 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. Alias Symbols: DHP, DHPase Protein Interaction Partner: DPYSL5, Protein Size: 519 |
| Molecular Weight: | 56 kDa |
| Gene ID: | 1807 |
| NCBI Accession: | NM_001385, NP_001376 |
| UniProt: | Q14117 |
| Application Details | |
| Application Notes: | Optimal working dilutions should be determined experimentally by the investigator. |

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|-------------------------------------------------------------------------------------------------------|-----------------------|
| Comment: | Antigen size: 519 AA |
| Restrictions: | For Research Use only |

Handling

| Format: | Liquid |
|--------------------|------------------------------------------------------------------------------------------------------------------------|
| Concentration: | Lot specific |
| Buffer: | Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose. |
| Preservative: | Sodium azide |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Handling Advice: | Avoid repeated freeze-thaw cycles. |

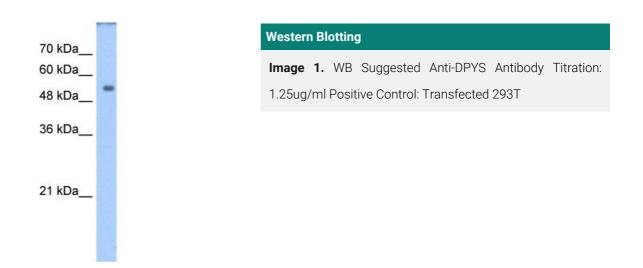
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| Storage: | -20 °C | |
|------------------|-----------------------------------------------------------------------------------------------------------------------------------------|--|
| Storage Comment: | For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles. | |
| Publications | | |

Product cited in:Gerhard, Wagner, Feingold, Shenmen, Grouse, Schuler, Klein, Old, Rasooly, Good, Guyer, Peck,
Derge, Lipman, Collins, Jang, Sherry, Feolo, Misquitta, Lee, Rotmistrovsky, Greenhut, Schaefer,
Buetow et al.: "The status, quality, and expansion of the NIH full-length cDNA project: the
Mammalian Gene Collection (MGC). ..." in: Genome research, Vol. 14, Issue 10B, pp. 2121-7, (
2004) (PubMed).

Images



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