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# Datasheet for ABIN2776832 anti-DPYS antibody (N-Term)

1 Image

2 Publications



#### Overview

Quantity:	100 µL
Target:	DPYS
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Rabbit, Cow, Zebrafish (Danio rerio), Dog, Guinea Pig, Pig
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 N terminal region of human DPYS
Sequence:	VLDAAGKLVL PGGIDTHTHM QFPFMGSRSI DDFHQGTKAA LSGGTTMIID
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 93%, Human: 100%, Mouse: 100%, Pig: 100%, Rabbit: 100%, Rat: 100%, Zebrafish: 92%
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:	<ul> <li>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.</li> <li>Alias Symbols: DHP, DHPase</li> <li>Protein Interaction Partner: DPYSL5,</li> <li>Protein Size: 519</li> </ul>		
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.		

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.	
Comment:	Antigen size: 519 AA	
Restrictions:	For Research Use only	

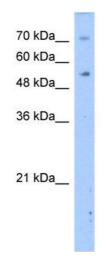
# Handling

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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Handling	
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:	Mitkus, Hyde, Vakkalanka, Kolachana, Weinberger, Kleinman, Lipska: "Expression of oligodendrocyte-associated genes in dorsolateral prefrontal cortex of patients with schizophrenia." in: <b>Schizophrenia research</b> , Vol. 98, Issue 1-3, pp. 129-38, (2007) (PubMed).

## Validation report #101227 for Western Blotting (WB)



Western Blotting						
Image	1.	WB	Suggested	Anti-DPYS	Antibody	Titration:
2.5ug/ml Positive Control: Transfected 293T						

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