Datasheet for ABIN7599711

anti-DPH5 antibody (AA 11-250)

Go to Product page

Overview

Quantity:	100 µg
Target:	DPH5
Binding Specificity:	AA 11-250
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This DPH5 antibody is un-conjugated
Application:	ELISA, Western Blotting (WB), Immunofluorescence (IF), Flow Cytometry (FACS), Immunocytochemistry (ICC)

Product Details

Purpose:	Anti-DPH5 Antibody Picoband®
Immunogen:	E.coli-derived human DPH5 recombinant protein (Position: D11-H250).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-DPH5 Antibody Picoband® (ABIN7599711). Tested in ELISA, Flow Cytometry, IF, ICC, WB applications. This antibody reacts with Human. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Purification:	Immunogen affinity purified.

Target Details

Target:	DPH5
Alternative Name:	DPH5 (DPH5 Products)
Background:	Synonyms: Solute carrier family 2, facilitated glucose transporter member 6, Glucose transporter type 6, GLUT-6, Glucose transporter type 9, GLUT-9, SLC2A6, GLUT9 Tissue Specificity: Highly expressed in brain, spleen and peripheral blood leukocytes. Background: Diphthine synthase is an enzyme that in humans is encoded by the DPH5 gene. This gene encodes a component of the diphthamide synthesis pathway. Diphthamide is a post-translationally modified histidine residue found only on translation elongation factor 2. It is conserved from archaebacteria to humans, and is targeted by diphtheria toxin and Pseudomonas exotoxin A to halt cellular protein synthesis. The yeast and Chinese hamster homologs of this protein catalyze the trimethylation of the histidine residue on elongation factor 2, resulting in a diphthine moiety that is subsequently amidated to yield diphthamide. Multiple transcript variants encoding different isoforms have been found for this gene.
Molecular Weight:	37 kDa
Gene ID:	51611
UniProt:	Q9H2P9
Pathways:	SARS-CoV-2 Protein Interactome

Application Details

Application Notes:	Western blot, 0.25-0.5 µg/mL, Human Immunocytochemistry/Immunofluorescence, 5 µg/mL, Human Flow Cytometry (Fixed), 1-3 µg/1x10^6 cells, Human ELISA, 0.1-0.5 µg/mL, -

1. Carette, J. E., Guimaraes, C. P., Varadarajan, M., Park, A. S., Wuethrich, I., Godarova, A., Kotecki, M., Cochran, B. H., Spooner, E., Ploegh, H. L., Brummelkamp, T. R. Haploid genetic screens in human cells identify host factors used by pathogens. Science 326: 1231-1235, 2009. 2. Liu, S., Milne, G. T., Kuremsky, J. G., Fink, G. R., Leppla, S. H. Identification of the proteins required for biosynthesis of diphthamide, the target of bacterial ADP-ribosylating toxins on translation elongation factor 2. Molec. Cell. Biol. 24: 9487-9497, 2004. 3. Zhang, Q.-H., Ye, M., Wu, X.-Y., Ren, S.-X., Zhao, M., Zhao, C.-J., Fu, G., Shen, Y., Fan, H.-Y., Lu, G., Zhong, M., Xu, X.-R., and 9 others. Cloning and functional analysis of cDNAs with open reading frames for 300 previously undefined genes expressed in CD34+ hematopoietic stem/progenitor cells. Genome Res. 10: 1546-1560, 2000.

Application Details

Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Adding 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na2HPO4.
Storage:	4 °C,-20 °C
Storage Comment:	At -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freezing and thawing.