

Product datasheet for TA362237

OriGene Technologies, Inc.

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DPH5 Rabbit Polyclonal Antibody

Product data:

Product Type: Primary Antibodies

Applications: WB

Reactivity: Human Host: Rabbit

Clonality: Polyclonal

Immunogen: The immunogen is a synthetic peptide directed towards the middle terminal region of human

DPH5

Specificity: Expected reactivity: Human

Formulation: Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2%

sucrose.

Concentration: lot specific

Purification:Affinity purifiedConjugation:Unconjugated

Storage: 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.

Stability: Shelf life: one year from despatch.

Predicted Protein Size: 25 kDa

Gene Name: diphthamide biosynthesis 5

Database Link: <u>NP 001070862.1</u>

Entrez Gene 51611 Human

Q9H2P9-2

Background: This gene encodes a component of the diphthamide synthesis pathway. Diphthamide is a

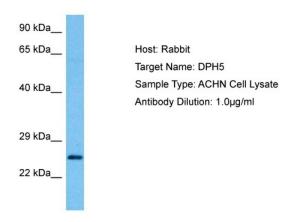
post-translationally modified histidine residue found only on translation elongation factor 2. It is conserved from archaebacteria to humans, and is targeted by diphtheria toxin and Pseudomonas exotoxin A to halt cellular protein synthesis. The yeast and Chinese hamster homologs of this protein catalyze 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.



Synonyms:

AD-018; CGI-30; HSPC143; MGC61450; NPD015

Product images:



Host: Rabbit Target Name: DPH5

Sample Tissue: Human ACHN Whole Cell lysates

Antibody Dilution: 1ug/ml