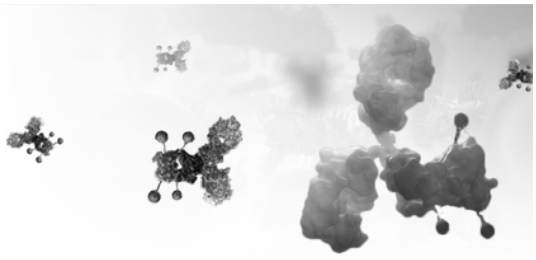

Anti-ALDH18A1 (aa 10-257) polyclonal antibody (DPABH-02289)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	The protein encoded by this gene is a glycogen phosphorylase found predominantly in the brain. The encoded protein forms homodimers which can associate into homotetramers, the enzymatically active form of glycogen phosphorylase. The activity of this enzyme is positively regulated by AMP and negatively regulated by ATP, ADP, and glucose-6-phosphate. This enzyme catalyzes the rate-determining step in glycogen degradation.
Immunogen	Recombinant fragment, corresponding to amino acids 10-257 of Human P5CS (BC117240).
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Purification	Immunogen affinity purified
Conjugate	Unconjugated
Applications	WB, ELISA, IHC-P
Format	Liquid
Size	100 µg
Buffer	pH: 7.20; Constituents: 98.98% PBS, 1% BSA
Preservative	0.02% Sodium Azide
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid repeated freeze / thaw cycles.

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GENE INFORMATION

Gene Name	ALDH18A1 aldehyde dehydrogenase 18 family, member A2 [Homo sapiens]
Official Symbol	ALDH18A1
Synonyms	ALDH18A1; aldehyde dehydrogenase 18 family, member A1; GSAS; P5CS; PYCS; ARCL3A; delta-1-pyrroline-5-carboxylate synthase; delta1-pyrroline-5-carboxlate synthetase; aldehyde dehydrogenase family 18 member A1; delta-1-pyrroline-5-carboxylate synthetase; pyrroline-5-carboxylate synthetase (glutamate gamma-semialdehyde synthetase);
Entrez Gene ID	5832
Protein Refseq	NP_001017423.1
UniProt ID	P54886
Pathway	Amino acid synthesis and interconversion (transamination); Arginine and proline metabolism; Biosynthesis of amino acids; Metabolism of amino acids and derivatives
Function	ATP binding; glutamate 5-kinase activity; glutamate-5-semialdehyde dehydrogenase activity; poly(A) RNA binding

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