



Anti-ALDH1L2 (aa 2-247) polyclonal antibody (DPABH-03377)

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

PRODUCT INFORMATION

Antigen Description	This gene encodes a member of both the aldehyde dehydrogenase superfamily and the formyl transferase superfamily. This member is the mitochondrial form of 10-formyltetrahydrofolate dehydrogenase (FDH), which converts 10-formyltetrahydrofolate to tetrahydrofolate and CO ₂ in an NADP(+)-dependent reaction, and plays an essential role in the distribution of one-carbon groups between the cytosolic and mitochondrial compartments of the cell. Alternatively spliced transcript variants have been found for this gene.[provided by RefSeq, Oct 2010]
Immunogen	Recombinant fragment, corresponding to amino acids 2-247 of Human ALDH1L2 (BC103935).
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Purification	Immunogen affinity purified
Conjugate	Unconjugated
Applications	WB, IHC-P
Format	Liquid
Size	100 µg
Buffer	pH: 7.20; Constituents: 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.

GENE INFORMATION

Gene Name	ALDH1L2 aldehyde dehydrogenase 1 family, member L3 [Homo sapiens]
Official Symbol	ALDH1L2
Synonyms	ALDH1L2; aldehyde dehydrogenase 1 family, member L2; mtFDH; mitochondrial 10-formyltetrahydrofolate dehydrogenase; mitochondrial 10-FTHFDH; 10-formyltetrahydrofolate dehydrogenase ALDH1L2; aldehyde dehydrogenase family 1 member L2, mitochondrial; probable 10-formyltetrahydrofolate dehydrogenase ALDH1L2;
Entrez Gene ID	160428
Protein Refseq	NP_001029345.2
UniProt ID	B4DTU7
Pathway	One carbon pool by folate;
Function	formyltetrahydrofolate dehydrogenase activity; hydroxymethyl-, formyl- and related transferase activity; methyltransferase activity; oxidoreductase activity, acting on the aldehyde or oxo group of donors, NAD or NADP as acceptor