



# 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

<b>Antigen Description</b>	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 <sub>2</sub> 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]
<b>Immunogen</b>	Recombinant fragment, corresponding to amino acids 2-247 of Human ALDH1L2 (BC103935).
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	Human
<b>Purification</b>	Immunogen affinity purified
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB, IHC-P
<b>Format</b>	Liquid
<b>Size</b>	100 µg
<b>Buffer</b>	pH: 7.20; Constituents: 98% PBS, 1% BSA
<b>Preservative</b>	0.02% Sodium Azide
<b>Storage</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid repeated freeze / thaw cycles.

# GENE INFORMATION

Gene Name	<a href="#">ALDH1L2 aldehyde dehydrogenase 1 family, member L3 [ Homo sapiens ]</a>
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	<a href="#">160428</a>
Protein Refseq	<a href="#">NP_001029345.2</a>
UniProt ID	<a href="#">B4DTU7</a>
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