

DNAxPAb

Hard-to-Find  
Antibody

# ALDH1L1 DNAxPab

Catalog # H00010840-W01P

Size 200 ug

## Specification

**Product Description** Rabbit polyclonal antibody raised against a full-length human ALDH1L1 DNA using DNAx™ Immune technology.

**Technology** [DNAx™ Immune](#)

**Immunogen** Full-length human DNA

**Sequence** MKIAVIGQSLFGQEYVYCHLRKEGHEVVGFTVPDKDGKADPLGLEAEKDGVPVFKYSRWRAKG  
QALPDVVAKYQALGAELNVLPFC SQFIPMEIISAPRHGSIYHPSLLPRHRGASAINWTLIHGDKKGG  
FSIFWADDGLDTGDLLLQKECEVLPDDTVSTLYNRFLFPEGIKGMVQAVRLIAEGKAPRLPQPEE  
GATYEGIQKKETAKINWDQPAEAIHNWIRGNDKVP GAWTEACEQKL TFFNSTLNTSGLVPEGDAL  
PIPGAHRPGVVTKAGLILFGNDDKMLLVKNIQLEDGKMILASNFFKGAASSVLEL TEAELVTAEAVR  
SVWQRILPKVLEVEDSTDFFKSGAASVDVVRLVEEVKELCDGLELENEDVYMASTFGDFIQLLVR  
KLRGDDEEGECSIDYVEMAVNKRTVRMPHQLFIGGEFVDAEGAKTSETINPTDGSVICQVSLAQV  
TDVDKAVAAAKDAFENGRWGKISARDRGRLMYRAPPSPSTRPDPTAT

**Host** Rabbit

**Reactivity** Human

**Purification** Protein A

**Quality Control Testing** Antibody reactive against mammalian transfected lysate.

**Storage Buffer** In 1x PBS, pH 7.4

**Storage Instruction** Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

## Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- Immunofluorescence (Transfected cell)
- Flow Cytometry (Transfected cell)

## Gene Info — ALDH1L1

Entrez GeneID [10840](#)

GeneBank Accession# [BC027241.1](#)

Protein Accession# [AAH27241.1](#)

Gene Name ALDH1L1

Gene Alias DKFZp781N0997, FTHFD

Gene Description aldehyde dehydrogenase 1 family, member L1

Omim ID [600249](#)

Gene Ontology [Hyperlink](#)

**Gene Summary** The protein encoded by this gene catalyzes the conversion of 10-formyltetrahydrofolate, NADP, and water to tetrahydrofolate, NADPH, and carbon dioxide. The encoded protein belongs to the aldehyde dehydrogenase family and is responsible for formate oxidation in vivo. Deficiencies in this gene can result in an accumulation of formate and subsequent methanol poisoning. [provided by RefSeq]

**Other Designations** formyltetrahydrofolate dehydrogenase

## Pathway

- [One carbon pool by folate](#)

## Disease

- [Adenocarcinoma](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Cardiovascular Diseases](#)

- [Cerebral Hemorrhage](#)
- [Cleft Lip](#)
- [Cleft Palate](#)
- [Colorectal Neoplasms](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Esophageal Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Hypertension](#)
- [Intracranial Hemorrhages](#)
- [Lung Neoplasms](#)
- [Lymphoma](#)
- [Prostate cancer](#)
- [Prostatic Neoplasms](#)
- [Pulmonary Disease](#)
- [Spinal Dysraphism](#)
- [Stroke](#)
- [Subarachnoid Hemorrhage](#)
- [Urinary Bladder Neoplasms](#)
- [Werner syndrome](#)