

# ALDH5A1 Antibody



PACO19087

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## Product Information

**Size:**

50ul

**Reactivity:**

Human, Mouse, Rat

**Source:**

Rabbit

**Isotype:**

IgG

**Applications:**

ELISA, IHC

**Recommended dilutions:**

ELISA:1:2000-1:5000, IHC:1:50-1:200

**Protein Background:**

Functions as a cell surface receptor and performs physiological functions on the surface of neurons relevant to neurite growth, neuronal adhesion and axonogenesis. Involved in cell mobility and transcription regulation through protein-protein interactions. Can promote transcription activation through binding to APBB1-KAT5 and inhibits Notch signaling through interaction with Numb. Couples to apoptosis-inducing pathways such as those mediated by G(O) and JIP. Inhibits G(o) alpha ATPase activity By similarity. Acts as a kinesin I membrane receptor, mediating the axonal transport of beta-secretase and presenilin 1. Involved in copper homeostasis/oxidative stress through copper ion reduction. In vitro, copper-metallated APP induces neuronal death directly or is potentiated through Cu<sup>2+</sup>-mediated low-density lipoprotein oxidation. Can regulate neurite outgrowth through binding to components of the extracellular matrix such as heparin and collagen I and IV.

**Gene ID:**

ALDH5A1

**Uniprot**

P51649

**Synonyms:**

aldehyde dehydrogenase 5 family, member A1

**Immunogen:**

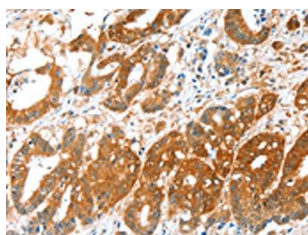
Synthetic peptide of human ALDH5A1.

**Storage:**

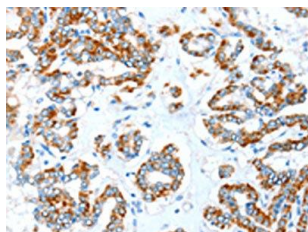
-20&deg; C, pH7.4 PBS, 0.05% NaN<sub>3</sub>, 40% Glycerol

## Product Images

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The image on the left is immunohistochemistry of paraffin-embedded Human colon cancer tissue using PACO19087(ALDH5A1 Antibody) at dilution 1/35, on the right is treated with synthetic peptide. (Original magnification: x—200).



The image on the left is immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using PACO19087(ALDH5A1 Antibody) at dilution 1/35, on the right is treated with synthetic peptide. (Original magnification: x—200).