Anti-ALDH5A1 antibody

Cat. No.	ml161257
Package	25 μl/100 μl/200 μl
Storage	-20°C, pH7.4 PBS, 0.05% NaN3, 40% Glycerol

Product overview

Description	Anti-ALDH5A1 rabbit polyclonal antibody
Applications	ELISA, IHC
Immunogen	Synthetic peptide of human ALDH5A1
Reactivity	Human, Mouse, Rat
Content	0.5 mg/ml
Host species	Rabbit
Ig class	Immunogen-specific rabbit IgG
Purification	Antigen affinity purification

Target information

Symbol	ALDH5A1
Full name	aldehyde dehydrogenase 5 family, member A1
Synonyms	SSDH; SSADH
Swissprot	P51649

Target Background

This protein belongs to the aldehyde dehydrogenase family of proteins. This gene encodes a mitochondrial NAD(+)-dependent succinic semialdehyde dehydrogenase. A deficiency of this enzyme, known as 4-hydroxybutyricaciduria, is a rare inborn error in the metabolism of the neurotransmitter 4-aminobutyric acid (GABA). In response to the defect, physiologic fluids from patients accumulate GHB, a compound with numerous neuromodulatory properties. Two transcript variants encoding distinct isoforms have been identified for this gene.
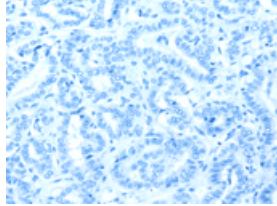
Applications

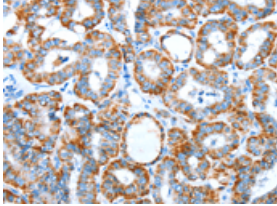**Immunohistochemistry**

Predicted cell location: Cytoplasm

Positive control: Human thyroid cancer

Recommended dilution: 50-200

Predicted cell location: Cytoplasm

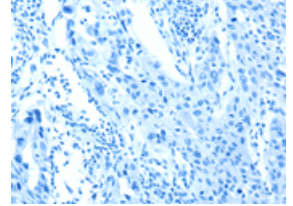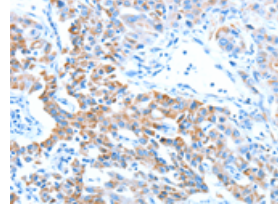Positive control: Human lung cancer

Recommended dilution: 50-200

The image on the left is immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using ml161257(ALDH5A1 Antibody) at dilution 1/60, on the right is treated with synthetic peptide. (Original magnification: ×200)

The image on the left is immunohistochemistry of paraffin-embedded Human lung cancer tissue using ml161257(ALDH5A1 Antibody) at dilution 1/60, on the right is treated with synthetic peptide. (Original magnification: ×200)

ELISA

Recommended dilution: 2000-5000

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