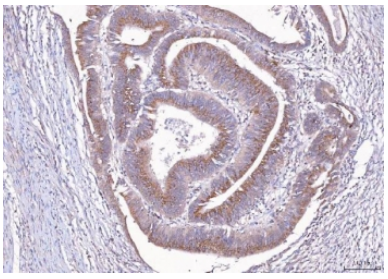
ALDH3A1 Antibody / ALDH3 / Aldehyde dehydrogenase 3 (R31185)

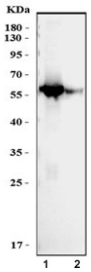
Catalog No.	Formulation	Size
R31185	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2 Trehalose
UniProt	P30838
Applications	Western Blot : 0.5-1ug/ml Immunohistochemistry (FFPE) : 2-4ug/ml
Limitations	This ALDH3A1 antibody is available for research use only.



IHC staining of FFPE human rectal cancer tissue with ALDH3A1 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



Western blot testing of human 1) A549 and 2) HeLa cell lysate with ALDH3A1 antibody. Predicted molecular weight: ~51 kDa.

Description

Aldehyde Dehydrogenase, Family 3, Subfamily A, Member 1, also known as ALDH3, is an enzyme that in humans is encoded by the ALDH3A1 gene. By in situ hybridization, Hiraoka et al.(1995) mapped the gene to 17p11.2. ALDHs play a major role in the detoxification of alcohol-derived acetaldehyde. They are involved in the metabolism of corticosteroids, biogenic amines, neurotransmitters, and lipid peroxidation. This protein preferentially oxidizes aromatic aldehyde substrates. It may play a role in the oxidation of toxic aldehydes.

Application Notes

The stated application concentrations are suggested starting amounts. Titration of the ALDH3A1 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

An amino acid sequence from the C-terminus of human ALDH3A1 (KVRYPPSPAKMTQH) was used as the immunogen for this ALDH3A1 antibody.

Storage

After reconstitution, the ALDH3A1 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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