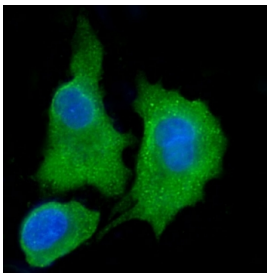
Aldehyde dehydrogenase 3 Antibody / ALDH3A1 (RQ7034)

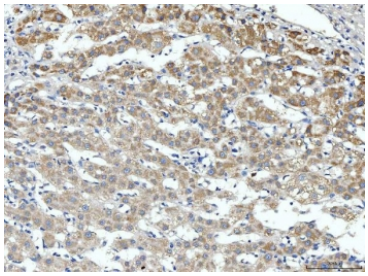
Catalog No.	Formulation	Size
RQ7034	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

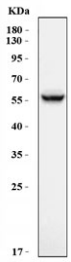
Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	P30838
Localization	Cytoplasmic
Applications	0.5-1 ug/ml2-5ug/ml5ug/ml0.1-0.5ug/ml
Limitations	This Aldehyde dehydrogenase 3 antibody is available for research use only.



Immunofluorescent staining of FFPE human A549 cells with Aldehyde dehydrogenase 3 antibody (green) and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.



IHC staining of FFPE human liver cancer tissue with Aldehyde dehydrogenase 3 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



Western blot testing of human A549 cell lysate with Aldehyde dehydrogenase 3 antibody. Predicted molecular weight: ~51 kDa.

Description

ALDH3A1 (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 ALDH3 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

Optimal dilution of the Aldehyde dehydrogenase 3 antibody should be determined by the researcher.

Immunogen

Recombinant human protein (amino acids Y413-H453) was used as the immunogen for the Aldehyde dehydrogenase 3 antibody.

Storage

After reconstitution, the Aldehyde dehydrogenase 3 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

Ordering: Phone: 858.663.9055 | Fax: 1.267.821.0800 | Email: info@nsjbio.com
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