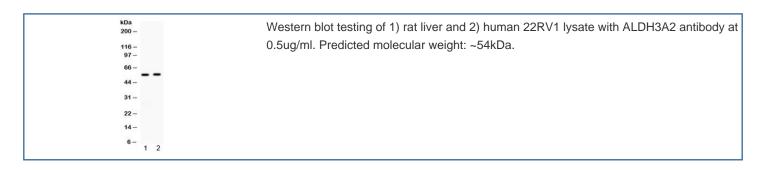


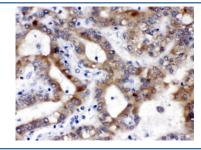
# ALDH3A2 Antibody (R32467)

Catalog No.	Formulation	Size
R32467	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

## **Bulk quote request**

Availability	1-3 business days
Species Reactivity	Human, Rat
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide
UniProt	P51648
Localization	Cytoplasmic
Applications	Western Blot : 0.5-1ug/ml IHC (FFPE) : 1-2ug/ml
Limitations	This ALDH3A2 antibody is available for research use only.





IHC testing of FFPE human liver cancer tissue with ALDH3A2 antibody at 1ug/ml. HIER: steam in pH6 citrate buffer and allow to cool prior to staining.

#### **Description**

Fatty aldehyde dehydrogenase (or Long-chain-aldehyde dehydrogenase) is an aldehyde dehydrogenase enzyme that in human is encoded in the ALDH3A2 gene on chromosome 17. ALDH3A2 catalyzes the oxidation of long-chain aliphatic aldehydes into fatty acids. It is known to act on a variety of both saturated and unsaturated aliphatic aldehydes between 6 to 24 carbons in length, as well as dihydrophytal, a 20-carbon branched chain aldehyde. It requires NAD+ as a co-factor. The encoded enzyme is responsible for conversion of the sphingosine 1-phosphate (S1P) degradation product hexadecenal to hexadecenoic acid. ALD3H2 is expressed in the human liver and has been found to localize the microsome fraction inside the cell.

### **Application Notes**

Optimal dilution of the ALDH3A2 antibody should be determined by the researcher.

#### **Immunogen**

Amino acids M1-Q100 were used as the immunogen for the ALDH3A2 antibody.

### **Storage**

Prior to reconstitution, store at 4oC. After reconstitution, the ALDH3A2 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.