**German Research Products - GRP GmbH** 

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## **Product Datasheet**

## ALDH1A1 antibody GRP152

**Description** This protein belongs to the aldehyde dehydrogenases family of

proteins. Aldehyde dehydrogenase is the second enzyme of the major oxidative pathway of alcohol metabolism. Two major liver isoforms of this enzyme, cytosolic and mitochondrial, can be distinguished by their electrophoretic mobilities, kinetic properties, and subcellular localizations. Most Caucasians have two major isozymes, while approximately 50% of Orientals have only the cytosolic isozyme, missing the mitochondrial isozyme. A remarkably higher frequency of acute alcohol intoxication among Orientals than among Caucasians could be related to the absence of the mitochondrial isozyme. This gene encodes a cytosolic isoform, which has a high affinity for aldehydes. [provided by

RefSeq]

Species/Host Rabbit

Reactivity Human, Mouse, Rat

Conjugation Unconjugated

Tested Applications ICC, IF, IHC-P, WB

Immunogen Recombinant protein encompassing a sequence within the cente

region of human ALDH1A1. The exact sequence is proprietary.

Form/Appearance Liquid: 1XPBS, 1% BSA, 20% Glycerol (pH7). 0.01% Thimerosal

was added as a preservative.

Concentration 1 mg/ml

Storage Store as concentrated solution. Centrifuge briefly prior to opening

vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid

multiple freeze-thaw cycles.

**Note** For research use only.

**Isotype** IgG

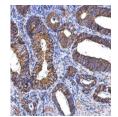
**Clonality** Polyclonal

**Purity** Purified by antigen-affinity chromatography.

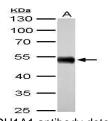
Uniprot ID P00352

Entrez 216

Dilution Range WB: 1:5000-1:20000,ICC: 1:100-1:1000,IHC-P: 1:100-1:1000



Immunohistochemical analysis of paraffin-embedded human gastric cancer, using ALDH1A1(GRP604) antibody at 1:500 dilution.



ALDH1A1 antibody detects ALDH1A1 protein by western blot analysis.A. 50 ?g

mouse liver lysate/extract 10%

SDS-PAGEALDH1A1 antibody

(GRP604) dilution: 1:5000

The

HRP-conjugated anti-rabbit

IgG

antibody was used to

detect

the primary antibody.