

Product Datasheet

ALDH1A1 Antibody

Catalog No: CY5141

Reactivity: Human, Mouse, Rat

Isotype: Rabbit IgG

Applications: WB IHC ICC/IF IP FC



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Information

UniProt ID: P00352

All Names: ALDC; ALDH1; PUMB1; ALDH11; RALDH1; ALDH-E1; MGC2318; ALDH1A1

Form: Liquid

Storage instructions: Store at +4° C short term. Store at -20° C long term. Avoid freeze / thaw cycle.

Storage buffer: pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

Purity: Affinity-chromatography

Immunogen: Synthesized peptide

Molecular Wt.: 55kDa

Application

WB: 1:500~1:2000

IHC: 1:50~1:200

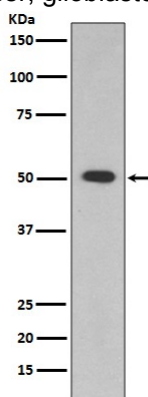
ICC/IF: 1:50~1:200

IP: 1:50

FC: 1:50

Background

ALDH1A1 is a liver cytosolic isoform of acetaldehyde dehydrogenase and is involved in the major pathway of alcohol metabolism along with alcohol dehydrogenase . ALDH1A1 is also known as retinal dehydrogenase 1 and is involved in retinol metabolism, converting retinol to retinoic acid . Recent studies suggest that control of retinoid signaling through ALDH1A1 may influence hematopoietic stem cell differentiation . There has been recent interest in ALDH1 isoforms as predictive biomarkers in disease. Several studies have suggested that ALDH1A1 is a potential marker for cancer stem cells and chemoresistance in several tumor types, such as melanoma , lung cancer, glioblastoma.



Western blot analysis of extracts from HepG2 cells, using ALDH1A1 antibody.

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