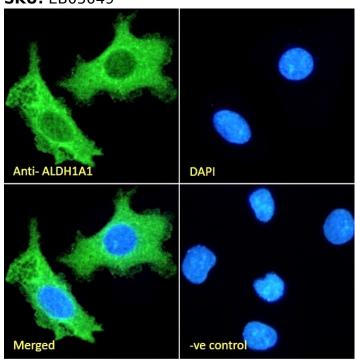


Telephone: (650) 697-3600

GOAT ANTI-ALDH1A1 (C TERMINUS) ANTIBODY

SKU: EB05049



SPECIFICATIONS

Formulation Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.

Unit Size 100 μg

Storage

Aliquot and store at -20°C. Minimize freezing and thawing. Instructions

Synonym /

Alias Names $retinal dehydrogenase \ 1 | retinal \ dehydrogenase \ 1 | aldehyde \ dehydrogenase, \ liver \ cytosolic | aldehyde$ dehydrogenase 1A1|aldehyde dehydrogenase 1, soluble|acetaldehyde dehydrogenase 1|ALDH class 1|RALDH1|PUMB1|MGC2318, |ALDH11|ALDH1|ALDH-E1|ALDC|aldehyde dehydrogenase 1 family, member

Usage **Summary**

Immunofluorescence: Strong expression of the protein seen in the cytoplasm of HepG2 cells. Recommended concentration: 10µg/ml. This antibody has been successfully used in IF on Human, PMID:

32157826.

Accession

NP_000680.2

Blocking Peptide

EBP05049





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Peptide with sequence C-EVKTVTVKISQKNS, from the C Terminus of the protein sequence according to **Immunogen**

NP 000680.2.

Product This antibody may cross-react with ALDH1A2 (GeneID 8854) with one residue difference from this design and

Comments with ALDH2 (GeneID 217) with two residues difference from this design.

Peptide

C-EVKTVTVKISQKNS Sequence

Purification Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography

Method using the immunizing peptide.

Shipping Instructions

Refrigerated

Predicted

Human, Mouse, Rat

Species Reactive

Species

Human, Mouse, Rat

Human

216 **Gene ID**

Mouse 11668 Gene ID Rat Gene ID 24188

Product

https://prod-vector-labs-pimcore-assets.s3.us-east-1.amazonaws.com/assets/products/image/elite_medium.png

Grade **ELISA**

Detection Antibody detection limit dilution 1:1000.

Limit

Western Approx 55kDa band observed in Human, Mouse and Rat Liver lysates (calculated MW of 54.9kDa according to

Blot NP_000680.2). Recommended concentration: 0.1-0.3µg/ml. Primary incubation was 1 hour.

Application

Pep-ELISA, WB, IF Type

SELECTED REFERENCES

[{"pmid": 22020955, "intro": "This antibody (previous batch) has been successfully used in WB and ICC on Human:", "title": "Expression and activity of alcohol and aldehyde dehydrogenases in melanoma cells and in melanocytes.", "author": "Amann PM, Hofmann C, Freudenberger M, Holland-Cunz S, Eichmüller SB, Bazhin AV.", "journal": "J Cell Biochem. 2012 Mar;113(3):792-9."}, {"pmid": 32157826, "intro": "This antibody has been successfully used in IF on Human:", "title": "Aldehyde dehydrogenases contribute to skeletal muscle homeostasis in healthy, aging, and Duchenne muscular dystrophy patients.", "author": "Jessy Etienne, Pierre Joanne, Cyril Catelain, Stéphanie Riveron, Alexandra Clarissa Bayer, Jérémy Lafable, Isabel Punzon, Stéphane Blot, Onnik Agbulut, and Jean?Thomas Vilquin", "journal": "J Cachexia Sarcopenia Muscle. 2020 Aug; 11(4): 1047-1069."}]

GALLERY IMAGES



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