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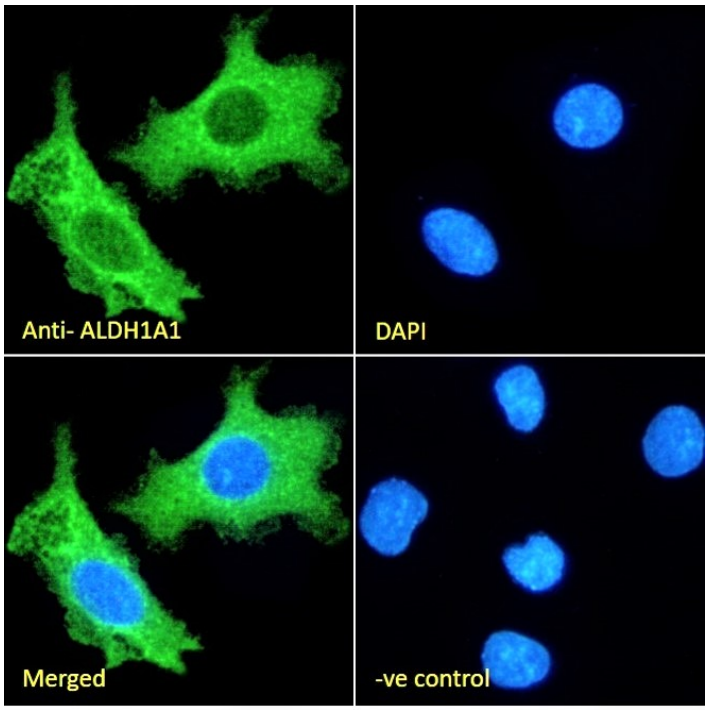
GOAT ANTI-ALDH1A1 (C TERMINUS) ANTIBODY

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 Instructions	Aliquot and store at -20°C. Minimize freezing and thawing.
Synonym / Alias Names	retinaldehyde 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 A1|ALDH1A1
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 ID	NP_000680.2
Blocking Peptide	EBP05049

Immunogen	Peptide with sequence C-EVKTVTVKISQKNS, from the C Terminus of the protein sequence according to NP_000680.2.
Product Comments	This antibody may cross-react with ALDH1A2 (GeneID 8854) with one residue difference from this design and with ALDH2 (GeneID 217) with two residues difference from this design.
Peptide Sequence	C-EVKTVTVKISQKNS
Purification Method	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Shipping Instructions	Refrigerated
Predicted Species	Human, Mouse, Rat
Reactive Species	Human, Mouse, Rat
Human Gene ID	216
Mouse Gene ID	11668
Rat Gene ID	24188
Product Grade	https://prod-vector-labs-pimcore-assets.s3.us-east-1.amazonaws.com/assets/products/image/elite_medium.png
ELISA Detection Limit	Antibody detection limit dilution 1:1000.
Western Blot	Approx 55kDa band observed in Human, Mouse and Rat Liver lysates (calculated MW of 54.9kDa according to NP_000680.2). Recommended concentration: 0.1-0.3µg/ml. Primary incubation was 1 hour.
Application Type	Pep-ELISA, WB, IF

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."}]

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DOCUMENTS

- Data Sheet

GALLERY IMAGES