

UK Office

Everest Biotech Ltd

Cherwell Innovation Centre

77 Heyford Park Upper Heyford Oxfordshire OX25 5HD

Enquiries:

UK

info@everestbiotech.com

Sales:

sales@everestbiotech.com

Tech support:

support@everestbiotech.com

Tel: +44 (0)1869 238326 Fax: +44 (0)1869 238327

US Office

Everest Biotech c/o Abcore

405 Maple Street, Suite A106 Ramona,

CA 92065 USA

00, 1

Inquiries:

info@everestbiotech.com

Sales:

usasales@everestbiotech.com

Tech support:

support@everestbiotech.com

Tel: 888-320-4628 (toll-free)

Fax: 888-841-9041

www.everestbiotech.com

Research Use Only. Not for diagnostic or therapeutic use.

EB10437 - Goat Anti-ALDH6A1 (aa487-496) Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: aldehyde dehydrogenase 6 family, member A1, aldehyde dehydrogenase 6A1, MGC40271, mitochondrial acylating methylmalonate-semialdehyde

dehydrogenase, MMSADHA, MMSDH, ALDH6A1

Official Symbol: ALDH6A1

Accession Number(s): NP_005580.1; NP_001265522.1; NP_001265523.1

Human GeneID(s): 4329

Non-Human GeneID(s): 104776 (mouse), 81708 (rat)

Important Comments: This antibody is expected to recognize all three reported isoform

(NP_005580.1; NP_001265522.1; NP_001265523.1).

Immunogen

Peptide with sequence C-SRSSFRGDTN, from the internal region of the protein sequence according to NP_005580.1; NP_001265522.1; NP_001265523.1.

Please note the peptide is available for sale.

Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

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

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

Applications Tested

Peptide ELISA: antibody detection limit dilution 1:32000.

Western blot: Approx 55kDa band observed in Human, Mouse and Rat Kidney lysates (calculated MW of 57.8kDa according to NP_005580.1). Recommended concentration: 0.1-0.3µg/ml.

IHC: In paraffin embedded Human Liver shows textured staining of the cytoplasm consistent with mitochondria. Recommended concentration, 5-10µg/ml.

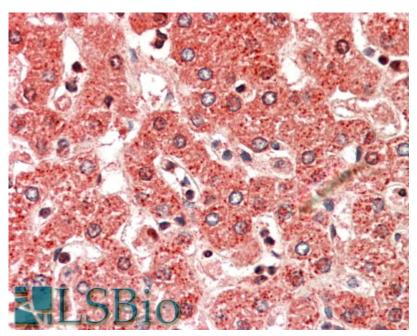
Species Reactivity

Tested: Human, Mouse, Rat

Expected from sequence similarity: Human, Mouse, Rat, Dog, Cow, Pig

250kDa 150kDa 100kDa 75kDa 50kDa 37kDa 25kDa 20kDa

EB10437 (0.1 μ g/ml) staining of Mouse Kidney lysate (35 μ g protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



EB10437 (5µg/ml) staining of paraffin embedded Human Liver. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.