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Goat anti-ALDH3A1 Antibody

Item Number	dAP-2135

Target Molecule
Principle Name: ALDH3A1; Official Symbol: ALDH3A1; All Names and Symbols: ALDH3A1; aldehyde dehydrogenase 3 family, memberA1; ALDH3; ALDHIII; MGC10406; aldehyde dehydrogenase 3A1; aldehyde dehydrogenase isozyme 3; aldehyde dehydrogenase type III; aldehyde dehydrogenase, dimeric NADP-preferring; stomach aldehyde dehydrogenase; Accession Number (s): NP_000682.3; Human Gene ID(s): 218; Non-Human GeneID(s):

Immunogen
RYPPSPAKMTQH, is from C Terminus
Reported variants represent identical protein: NP_001128639.1, NP_000682.3, NP_001128640.1

Applications
Pep ELISA, WB, IHC

Species Tested: Human, Mouse

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

Supplied As
lyophilized powder of 50ug or 100ug IgG; Reconsititute IgG with 100ul or 200ul sterile DI Water and final product will be formulated as 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.

Peptide ELISA
Peptide ELISA: antibody detection limit dilution 1 to 32000.

Western Blot
Western Blot: Approx 55kDa band observed in Mouse Eye lysates (calculated MW of 50.5kDa according to Mouse NP_031462.2). Recommended concentration: 0.01-0.03µg/ml.

IHC
Immunohistochemistry: In paraffin embedded Human Lung shows strong staining of the respiratory epithelium of the tracheal wall. Recommended concentration, 3-5µg/ml.

Reference
Reference(s): Bogucka M, Giebułtowicz J, Zawada K, Wroczyński P, Wierzchowski J, Pietrzak M, Piekarczyk P, Romanowska K. The oxidation status of ALDH3A1 in human saliva and its correlation with antioxidant capacity measured by ORAC method. Acta poloniae pharmaceutica 66 (5): 477-82..PMID: 19894643-

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for Research Use Only