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ALDH3A2 Polyclonal Antibody

Catalog Number PA5-19330 Product data sheet

Details	
Size	100 µg
Host/Isotope	Goat / IgG
Class	Polyclonal
Туре	Antibody
Immunogen	Synthetic peptide sequence (KGLKGESVNKLRY) corresponding to the internal amino acids of Aldh3a2
Conjugate	Unconjugated
Form	Liquid
Concentration	0.5 mg/mL
Purification	Ammonium sulfate precipitation
Storage buffer	TBS, pH 7.3, with 0.5% BSA
Contains	0.02% sodium azide
Storage Conditions	-20° C, Avoid Freeze/Thaw Cycles

Species Reactivity	
Species reactivity	Human, Rat
Tested Applications	Dilution *
Immunohistochemistry (Paraffin) (IHC (P))	5 μg/mL
Western Blot (WB)	0.03-0.1 μg/mL

^{*} Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.

Product specific information

This antibody is tested in Peptide ELISA: antibody detection limit dilution 32,000.

Background/Target Information

Aldh3A2 is a member of the aldehyde dehydrogenase superfamily, a group of NAD(P)(+)-dependent enzymes that catalyze the oxidation of a wide spectrum of aliphatic and aromatic aldehydes. Aldehyde dehydrogenase enzymes are thought to play a major role in the detoxification of aldehydes generated by alcohol metabolism and lipid peroxidation. Aldh3A2 catalyzes the oxidation of long-chain aliphatic aldehydes to fatty acids. Mutations in the Aldh3A2 gene cause Sjogren-Larrson syndrome, an inherited neurocutaneous disorder. Patients with this disorder display ichthyosis, mental retardation and spastic diplegia. The pathogenesis of the cutaneous and neurological symptoms is thought to result from abnormal lipid accumulation in the membranes of skin and brain, the formation of aldehyde Schiff base adducts with amine-containing lipids or proteins, or defective eicosanoid metabolism.

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Product Images For ALDH3A2 Polyclonal Antibody

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

250kDa ALDH3A2 Antibody (PA5-19330) in WB

Western blot analysis of ALDH3A2 using ALDH3A2 Polyclonal Antibody (Product # PA5-19330) (0.03 μg/mL) in staining of Rat Liver lysate (35 μg protein in RIPA buffer). Detected by chemiluminescence.

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