ANGIO-PROTEOMIE
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DATA SHEET

Mouse Monoclonal Antibody to ALDH2

Cataloge Number	sAP-0987
Target Molecule	**Name: ALDH2** **Aliases:** ALDM; ALDHI; ALDH-E2 **MW: 56.3kDa** **Entrez Gene ID: 217**
Descrption	This protein belongs to the aldehyde dehydrogenase family of proteins. Aldehyde dehydrogenase is the second enzyme of the major oxidative pathway of alcohol metabolism. Two major liver isoforms of aldehyde dehydrogenase, cytosolic and mitochondrial, can be distinguished by their electrophoretic mobilities, kinetic properties, and subcellular localizations. Most Caucasians have two major isozymes, while approximately 50% of Orientals have the cytosolic isozyme but not the mitochondrial isozyme. A remarkably higher frequency of acute alcohol intoxication among Orientals than among Caucasians could be related to the absence of a catalytically active form of the mitochondrial isozyme. The increased exposure to acetaldehyde in individuals with the catalytically inactive form may also confer greater susceptibility to many types of
Immunogen	Purified recombinant fragment of human ALDH2 (AA: 317-517) expressed in E. Coli.
Recitative Species	Human; Mouse; Rat;
Clone	MM4G6A3;
Size and Concentration	100µg/1mg/ml
Supplied as	Lyophilized Powder from 100µl of Purified antibody in PBS with 0.05% sodium azide
Reconstitution/Storages	Reconstitued with 100µl sterile DI H2O, at stored at 4°C or -20°C for short or long term storage
Applications	ELISA: 1 to 10000; WB: 1 to 500 - 1 to 2000; IHC: 1 to 200 - 1 to 1000; ICC: 1 to 75; FCM: 1 to 200 - 1 to 400
Shipping	Regular FEDEX overnight shipment (ambient temperature)
Reference	1.Eur Heart J. 2012 Jul;33(13):1606-14. ; 2.Clin Toxicol (Phila). 2012 Apr;50(4):242-9. ;

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

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