Human/Mouse/Rat ALDH2 Alexa Fluor® 405-conjugated Antibody

Monoclonal Mouse IgG_1 Clone # 1007902

Catalog Number: FAB10168V

100 µg

DESCRIPTION

Species Reactivity	Human/Mouse/Rat
Specificity	Detects human ALDH2 in direct ELISAs. Detects human, mouse, and rat ALDH2 in Western blots.
Source	Monoclonal Mouse IgG_1 Clone # 1007902
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Synthetic peptide containing human ALDH2 Ser18-Ser517 Accession # P05091
Conjugate	Alexa Fluor 405 Excitation Wavelength: 405 nm Emission Wavelength: 421 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

APPLICATIONS

Please Note: *Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.*

Western Blot	Optimal dilution of this antibody should be experimentally determined.
Immunocytochemistry	Optimal dilution of this antibody should be experimentally determined.
Immunohistochemistry	Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

Aldehyde Dehydrogenase 2 (ALDH2) is a protein involved in the pathway which synthesizes acetate from ethanol. It also functions as a protector against oxidative stress. The ALDH2 isoform is localized to the mitochondrial matrix. Genetic variation in ALDH2 in the East Asian population is associated with high instances of acute alcohol intoxication.

PRODUCT SPECIFIC NOTICES

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