

Anti-ALDH1L1
(Aldehyde dehydrogenase 1 family member L1)
Polyclonal Antibody

Cat. #: 60B913

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Description:

ALDH1L1 ((Aldehyde dehydrogenase 1 family member L1) converts 10-formyltetrahydrofolate, a precursor for nucleotide biosynthesis, to tetrahydrofolate. The protein comprises two functional domains: a hydrolase domain that removes a formyl group from 10-formyltetrahydrofolate and a NADP(+)-dependent dehydrogenase domain that reduces the formyl to carbon dioxide. It is localized in cytoplasm and contains 1 acyl carrier domain. In the N-terminal section, it belongs to the GART family. In the C-terminal section, it belongs to the aldehyde dehydrogenase family.

Immunogen/Specificity:

Polyclonal antibody produced in rabbits immunizing with a synthetic peptide corresponding to C-terminal residues of mouse ALDH1L1(Aldehyde dehydrogenase 1 family member L1)

References

Chumanovich,A.A., et al, J. Biol. Chem. 279 (14), 14355-14364 (2004)
Cook,R.J., et al, J. Biol. Chem. 266 (8), 4965-4973 (1991)
Krupenko,S.A. and Wagner,C., J. Biol. Chem. 274 (50), 35777-35784 (1999)
Case,G.L., et al, J. Biol. Chem. 263 (21), 10204-10207 (1988)
Krupenko,S.A., et al, J. Biol. Chem. 270 (2), 519-522 (1995)
Moser,K. and White,F.M., J. Proteome Res. 5 (1), 98-104 (2006)

Species: mouse, rat, human

Storage and Stability: at -20oC

Storage buffer:

This antibody is stored in PBS, 0.01% sodium azide and 50% glycerol.

Preparation:

Purified by antigen-specific affinity chromatography.

Applications :

ELISA

Western Blotting (1µg/ml for 2hrs)