

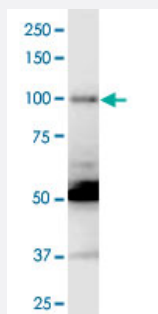
CX Grade

ALDH1L1 monoclonal antibody (M01J), clone 3E9

Catalog # H00010840-M01J

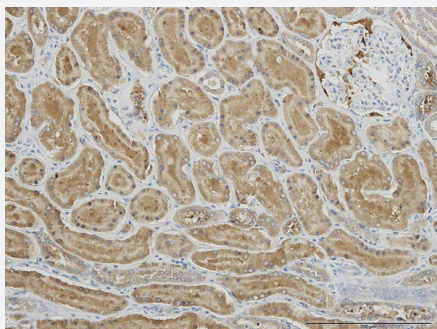
Size 100 ug

Applications



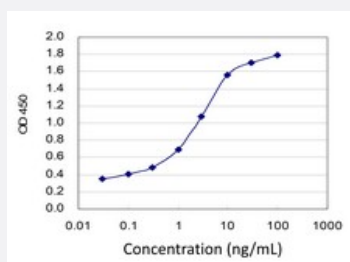
Western Blot (Cell lysate)

ALDH1L1 monoclonal antibody (M01J), clone 3E9. Western Blot analysis of ALDH1L1 expression in NIH/3T3.



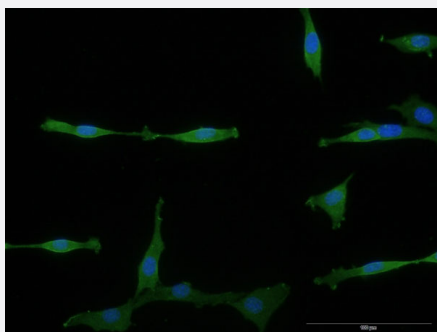
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunoperoxidase of monoclonal antibody to ALDH1L1 on formalin-fixed paraffin-embedded human kidney. [antibody concentration 3 ug/ml]



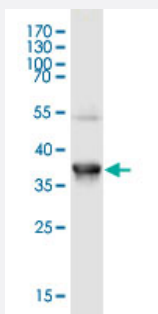
Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged ALDH1L1 is 0.03 ng/ml as a capture antibody.



Immunofluorescence

Immunofluorescence of monoclonal antibody to ALDH1L1 on NIH/3T3 cell .
[antibody concentration 10 ug/ml]



Western Blot detection against Immunogen (36.74 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant ALDH1L1. This product is belong to Cell Culture Grade Antibody (CX Grade).
Immunogen	ALDH1L1 (NP_036322, 803 a.a. ~ 902 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	EESFGPVMIIISRFADGDLDAVLSRANATEFGLASGVFTRDINKALYVSDKLQAGTVFVNTYNKTDV AAPFGGFKQSGFGKDLGEAALNEYLRVKTVTFEY
Host	Mouse
Reactivity	Human, Mouse
Interspecies Antigen Sequence	Mouse (90); Rat (89)
Preparation Method	Cell Culture Production
Isotype	IgG3 Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.74 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Cell lysate)

ALDH1L1 monoclonal antibody (M01J), clone 3E9. Western Blot analysis of ALDH1L1 expression in NIH/3T3.

[Protocol Download](#)

- Western Blot (Recombinant protein)

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- ELISA

- Immunofluorescence

Immunofluorescence of monoclonal antibody to ALDH1L1 on NIH/3T3 cell . [antibody concentration 10 ug/ml]

Gene Info — ALDH1L1

Entrez GeneID	10840
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GeneBank Accession#	NM_012190
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Protein Accession#	NP_036322
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Gene Name	ALDH1L1
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Gene Alias	DKFZp781N0997, FTHFD
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Gene Description	aldehyde dehydrogenase 1 family, member L1
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Omim ID	600249
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Gene Ontology

[Hyperlink](#)

Gene Summary

The protein encoded by this gene catalyzes the conversion of 10-formyltetrahydrofolate, NADP, and water to tetrahydrofolate, NADPH, and carbon dioxide. The encoded protein belongs to the aldehyde dehydrogenase family and is responsible for formate oxidation in vivo. Deficiencies in this gene can result in an accumulation of formate and subsequent methanol poisoning. [provided by RefSeq]

Other Designations

formyltetrahydrofolate dehydrogenase

Pathway

- [One carbon pool by folate](#)

Disease

- [Adenocarcinoma](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Cardiovascular Diseases](#)
- [Cerebral Hemorrhage](#)
- [Cleft Lip](#)
- [Cleft Palate](#)
- [Colorectal Neoplasms](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Esophageal Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Hypertension](#)
- [Intracranial Hemorrhages](#)
- [Lung Neoplasms](#)
- [Lymphoma](#)

- [Prostate cancer](#)
- [Prostatic Neoplasms](#)
- [Pulmonary Disease](#)
- [Spinal Dysraphism](#)
- [Stroke](#)
- [Subarachnoid Hemorrhage](#)
- [Urinary Bladder Neoplasms](#)
- [Werner syndrome](#)