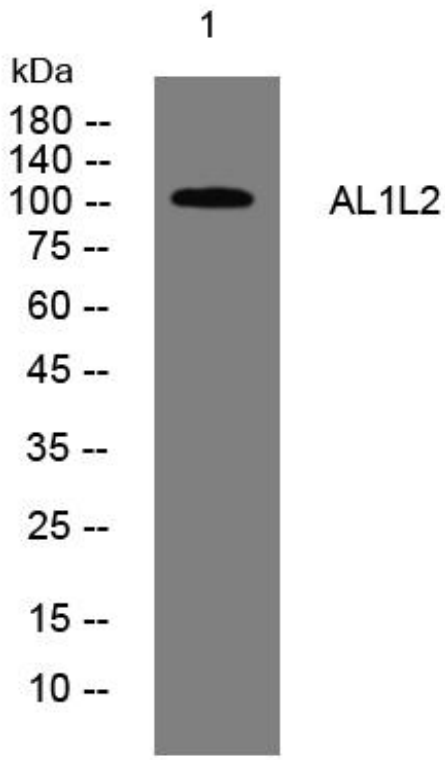
AL1L2 mouse mAb

Catalog No	YP-mAb-11886
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	ALDH1L2
Immunogen	Synthesized peptide derived from human AL1L2 AA range: 74-124
Specificity	This antibody detects endogenous levels of AL1L2 at Human/Mouse
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	ALDH1L 2;EC:1.5.1.6;Mitochondrial 10-formyltetrahydrofolate dehydrogenase; Mitochondrial 10-FTHFDH;mtFDH;AL1L2;ALDH1L2
Observed Band	
Calculated Molecular Weight	102 kDa
Cell Pathway	Mitochondrion .
Tissue Specificity	Highly expressed in pancreas, heart, brain and skeletal muscle.
Function	catalytic activity:10-formyltetrahydrofolate + NADP(+) + H(2)O = tetrahydrofolate + CO(2) + NADPH.,sequence caution:Wrong choice of CDS.,similarity:Belongs to the aldehyde dehydrogenase family.,similarity:Contains 1 acyl carrier domain., similarity:In the C-terminal section; belongs to the aldehyde dehydrogenase family. ALDH1L subfamily.,similarity:In the N-terminal section; belongs to the GART family.,
Background	This gene encodes a member of both the aldehyde dehydrogenase superfamily and the formyl transferase superfamily. This member is the mitochondrial form of 10-formyltetrahydrofolate dehydrogenase (FDH), which converts 10-formyltetrahydrofolate to tetrahydrofolate and CO2 in an NADP(+)-dependent reaction, and plays an essential role in the distribution of one-carbon groups

	between the cytosolic and mitochondrial compartments of the cell. Alternatively spliced transcript variants have been found for this gene.[provided by RefSeq, Oct 2010],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis of various cells using AL1L2 mouse mAb