

## ALDH1L2 Conjugated Antibody

Catalog No: #C28588



Package Size: #C28588-AF350 100ul #C28588-AF405 100ul #C28588-AF488 100ul  
 #C28588-AF555 100ul #C28588-AF594 100ul #C28588-AF647 100ul  
 #C28588-AF680 100ul #C28588-AF750 100ul #C28588-Biotin 100ul

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## Description

|                       |  |
|-----------------------|--|
| Product Name          | ALDH1L2 Conjugated Antibody  |
| Host Species          | Rabbit   |
| Clonality             | Polyclonal   |
| Isotype               | IgG  |
| Purification          | Affinity purification  |
| Applications          | most applications  |
| Species Reactivity    | Hu,Ms,Rt   |
| Immunogen Description | Recombinant fusion protein of human ALDH1L2 (NP_001029345.2).  |
| Conjugates            | Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750   |
| Other Names           | ALDH1L2; mtFDH; aldehyde dehydrogenase 1 family member L2  |
| Accession No.         | Swiss-Prot#:Q3SY69NCBI Gene ID:160428  |
| Uniprot               | Q3SY69   |
| GeneID                | 160428;  |
| Excitation Emission   | AF350: 346nm/442nm<br>AF405: 401nm/421nm<br>AF488: 493nm/519nm<br>AF555: 555nm/565nm<br>AF594: 591nm/614nm<br>AF647: 651nm/667nm<br>AF680: 679nm/702nm<br>AF750: 749nm/775nm |
| Calculated MW         | 102kDa   |
| Formulation           | 0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide  |
| Storage               | Store at 4°C in dark for 6 months  |

## Application Details

Suggested Dilution:

AF350 conjugated: most applications: 1: 50 - 1: 250

AF405 conjugated: most applications: 1: 50 - 1: 250

AF488 conjugated: most applications: 1: 50 - 1: 250

AF555 conjugated: most applications: 1: 50 - 1: 250

AF594 conjugated: most applications: 1: 50 - 1: 250

AF647 conjugated: most applications: 1: 50 - 1: 250

AF680 conjugated: most applications: 1: 50 - 1: 250

AF750 conjugated: most applications: 1: 50 - 1: 250

Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1: 50 - 1: 1,000

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## Background

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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 CO<sub>2</sub> 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.

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Note: This product is for in vitro research use only