

## MDH1 (Phospho-Thr296) Antibody

Catalog No: #SAB608

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## Description

|                       |   |
|-----------------------|---|
| Product Name          | MDH1 (Phospho-Thr296) Antibody  |
| Host Species          | Rabbit  |
| Clonality             | Polyclonal  |
| Purification          | The antibody was purified from rabbit serum by affinity purification via sequential chromatography on phospho-peptide and non-phospho-peptide affinity columns. |
| Applications          | WB  |
| Species Reactivity    | Human,Mouse   |
| Specificity           | MDH1(Phospho-Thr296) Antibody detects endogenous levels of MDH1 only when phosphorylated at threonine 296.  |
| Immunogen Description | A synthesized peptide derived from human MDH1 around the phosphorylation site of T296.  |
| Other Names           | MDHA,Malate dehydrogenase, cytoplasmic,Cytosolic malate dehydrogenase,Diiodophenylpyruvate reductase  |
| Uniprot               | P40925  |
| GeneID                | 4190  |
| SDS-PAGE MW           | 36kSa   |
| Concentration         | 1 mg/ml   |
| Formulation           | Rabbit IgG in phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150mM NaCl,0.02% sodium azide and 50% glycerol.               |
| Storage               | Store at -20°C/1 year   |

## Application Details

Western Blot: 1/500 - 1/2000

## Background

Catalyzes the reduction of aromatic alpha-keto acids in the presence of NADH (PubMed:3052244). Plays essential roles in the malate-aspartate shuttle and the tricarboxylic acid cycle, important in mitochondrial NADH supply for oxidative phosphorylation (PubMed:31538237).

Note: This product is for in vitro research use only