

## Goat anti-IDH1 (yeast) Antibody

<b>Item Number</b>	dAP-2377
<b>Target Molecule</b>	Principle Name: IDH1 (yeast); Official Symbol: IDH1; All Names and Symbols: IDH1; Idh1p; YNL037C; Subunit of mitochondrial NAD(+)-dependent isocitrate dehydrogenase, which catalyzes the oxidation of isocitrate to alpha-ketoglutarate in the TCA cycle; Accession Number (s): NP_014361.1; Human Gene ID (s): ; Non-Human GeneID(s):
<b>Immunogen</b>	EPGSRHVGLDIKQGN, is from internal region
<b>Applications</b>	Pep ELISA, WB Species Tested: S.cerevisiae S288c
<b>Purification</b>	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
<b>Supplied As</b>	lyophilized powder of 50ug or 100ug IgG; Reconstitute IgG with 100ul or 200ul sterile DI Water and final product will be formulated as 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize freezing and thawing.
<b>Peptide ELISA</b>	Peptide ELISA: antibody detection limit dilution 1 to 16000.
<b>Western Blot</b>	Western Blot: Approx 38kDa band observed in wildtype lysates of S.cerevisiae (calculated MW of 39.3kDa according to NP_014361.1). Recommended concentration: 0.3-1µg/ml.
<b>IHC</b>	
<b>Reference</b>	Reference(s): Helbig AO, de Groot MJ, van Gestel RA, Mohammed S, de Hulster EA, Luttk MA, Daran-Lapujade P, Pronk JT, Heck AJ, Slijper M. A three-way proteomics strategy allows differential analysis of yeast mitochondrial membrane protein complexes under anaerobic and aerobic conditions. Proteomics.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**