Datasheet for ABIN768654

anti-IDH1 antibody (Internal Region)

1 Image

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Overview

Quantity:	100 µg
Target:	IDH1
Binding Specificity:	Internal Region
Reactivity:	Saccharomyces cerevisiae
Host:	Goat
Clonality:	Polyclonal
Conjugate:	This IDH1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Purpose:	IDH1 (yeast)
Immunogen:	Peptide with sequence C-EPGSRHVGLDIKGQN, from the internal region of the protein sequence according to NP_014361.1.
Sequence:	EPGSRHVGLD IKGQN
Isotype:	IgG
Cross-Reactivity:	Saccharomyces cerevisiae
Purification:	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Grade:	Verified

Target Details

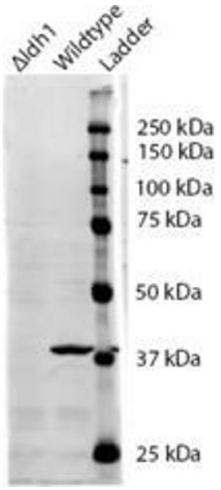
Target:	IDH1
Alternative Name:	IDH1 (IDH1 Products)
Background:	IDH1, Idh1p, YNL037C, Subunit of mitochondrial NAD(+)-dependent isocitrate dehydrogenase, which catalyzes the oxidation of isocitrate to alpha-ketoglutarate in the TCA cycle
Molecular Weight:	39.3kDa according to NP_014361.1
NCBI Accession:	NP_014361
Pathways:	Warburg Effect

Application Details

Application Notes:	Western Blot: Approx 38 kDa band observed in wildtype lysates of S.cerevisiae (calculated MW of 39.3 kDa according to NP_014361.1). Recommended concentration: 0.3-1 µg/mL. Peptide ELISA: antibody detection limit dilution 1:16000.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.5 mg/mL
Buffer:	Supplied at 0.5 mg/mL in Tris saline, 0.02 % sodium azide, pH 7.3 with 0.5 % bovine serum albumin.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Minimize freezing and thawing.
Storage:	-20 °C
Storage Comment:	Aliquot and store at -20°C, with minimal freeze/thawing. A working aliquot may be refrigerated at 4°C for a few weeks and still remain viable.



Western Blotting

Image 1. ABIN768654 (0.5µg/ml) staining of S. cerevisiae S288c lysate (35µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence. The blocking buffer contained non-animal derived protein. Data kindly provided by Dr. F Reggiori, Univer