

Datasheet for ABIN571276  
**anti-IDH1 antibody (AA 153-164)**



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## Overview

|                      |                                     |
|----------------------|-------------------------------------|
| Quantity:            | 100 µg                              |
| Target:              | IDH1                                |
| Binding Specificity: | AA 153-164                          |
| Reactivity:          | Human, Mouse                        |
| Host:                | Goat                                |
| Clonality:           | Polyclonal                          |
| Conjugate:           | This IDH1 antibody is un-conjugated |
| Application:         | Western Blotting (WB), ELISA        |

## Product Details

|                   |                                                                                                                                       |
|-------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| Purpose:          | IDH1 (aa153-164)                                                                                                                      |
| Immunogen:        | C-EITYTPSDGTQK                                                                                                                        |
| Sequence:         | EITYTPSDGT QK                                                                                                                         |
| Isotype:          | IgG                                                                                                                                   |
| Cross-Reactivity: | Dog, Human, Mouse, Rat                                                                                                                |
| 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                                                                                                                                                                                                                                                            |
| Background:       | IDH1, isocitrate dehydrogenase 1 (NADP+), soluble, IDCD, IDH, IDP, IDPC, PICD, NADP+-specific ICDH, NADP-dependent isocitrate dehydrogenase, cytosolic, NADP-dependent isocitrate dehydrogenase, peroxisomal, OTTHUMP00000206464, OTTHUMP00000206465, OTTHUMP00 |
| Gene ID:          | 3417, 15926, 24479                                                                                                                                                                                                                                              |
| NCBI Accession:   | <a href="#">NP_005887</a>                                                                                                                                                                                                                                       |
| Pathways:         | <a href="#">Warburg Effect</a>                                                                                                                                                                                                                                  |

## Application Details

|                    |                                                                                                                                                                                                                                                      |
|--------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Application Notes: | Western Blot: Approx 48 kDa band observed in lysates of cell line HepG2 and of Mouse Liver (calculated MW of 46.7 kDa according to NP_005887.2). Recommended concentration: 0.3-1 µg/mL.<br>Peptide ELISA: antibody detection limit dilution 1:1000. |
| 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. |