

## Datasheet for ABIN7115525 **anti-IDH1 antibody**



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### Overview

|              |                                                                                   |
|--------------|-----------------------------------------------------------------------------------|
| Quantity:    | 100 µg                                                                            |
| Target:      | IDH1                                                                              |
| Reactivity:  | Human                                                                             |
| Host:        | Mouse                                                                             |
| Clonality:   | Monoclonal                                                                        |
| Conjugate:   | This IDH1 antibody is un-conjugated                                               |
| Application: | Western Blotting (WB), Immunohistochemistry (IHC), ELISA, Immunofluorescence (IF) |

### Product Details

|               |                                            |
|---------------|--------------------------------------------|
| Immunogen:    | isocitrate dehydrogenase 1(NADP+), soluble |
| Clone:        | 1G10                                       |
| Isotype:      | IgG1                                       |
| Purification: | Protein A+G purification                   |
| Purity:       | ≥95 % as determined by SDS-PAGE            |

### Target Details

|                   |                                                                                                                                                                              |
|-------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Target:           | IDH1                                                                                                                                                                         |
| Alternative Name: | IDH1 ( <a href="#">IDH1 Products</a> )                                                                                                                                       |
| Background:       | Synonyms:IDCD, IDH, IDH1, IDP, IDPC, NADP(+) specific ICDH, Oxalosuccinate decarboxylase,<br>PICD Background:IDH1, also named as PICD and IDP, belongs to the isocitrate and |

## Target Details

isopropylmalate dehydrogenases family. It is a common feature of a major subset of primary human brain cancers. It can form a homodimer(PMID:15173171).IDH1 mutation is always heterozygotic and IDH1 functions as a dimer, theoretically there will be 25 % each wild type and mutant homo-dimers and 50 % hetero-dimers present in the tumor cells(PMID:21079649 ).

Molecular Weight: 46kd

Gene ID: 3417

UniProt: [O75874](#)

Pathways: [Warburg Effect](#)

## Application Details

Application Notes: WB: 1:500-1:2000, IHC: 1:20-1:200, IF: 1:50-1:500

Restrictions: For Research Use only

## Handling

Format: Liquid

Buffer: PBS with 0.02 % sodium azide and 50 % glycerol pH 7.3,

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C

Storage Comment: -20°C for 12 months (Avoid repeated freeze / thaw cycles.)

Expiry Date: 12 months