Datasheet for ABIN2792663

# anti-ID1 antibody (Middle Region)

1 Image

Go to Product page

## Overview

| | |
|---|---|
| Quantity: | 100 µL |
| Target: | ID1 |
| Binding Specificity: | Middle Region |
| Reactivity: | Human |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This ID1 antibody is un-conjugated |
| Application: | Western Blotting (WB), Immunohistochemistry (IHC) |

## Product Details

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| Immunogen: | The immunogen is a synthetic peptide directed towards the middle region of human ID1 |
| Sequence: | IRDLQLELNS ESEVGTPGGR GLPVRAPLST LNGEISALTA EVRSRSDH |
| Cross-Reactivity: | Human |
| Predicted Reactivity: | Human: 100% |
| Characteristics: | This is a rabbit polyclonal antibody against ID1. It was validated on Western Blot using a cell lysate as a positive control. |
| Purification: | Affinity Purified |

## Target Details

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|---|---|
| Target: | ID1 |

## Target Details

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| Alternative Name: | ID1 / BHLHB24 (ID1 Products) |
| Background: | ID1 is a helix-loop-helix (HLH) protein that can form heterodimers with members of the basic HLH family of transcription factors. It has no DNA binding activity and therefore can inhibit the DNA binding and transcriptional activation ability of basic HLH proteins with which it interacts. This protein may play a role in cell growth, senescence, and differentiation. Two transcript variants encoding different isoforms have been found for this gene.The protein encoded by this gene is a helix-loop-helix (HLH) protein that can form heterodimers with members of the basic HLH family of transcription factors. The encoded protein has no DNA binding activity and therefore can inhibit the DNA binding and transcriptional activation ability of basic HLH proteins with which it interacts. This protein may play a role in cell growth, senescence, and differentiation. Two transcript variants encoding different isoforms have been found for this gene.<br>Alias Symbols: ID, bHLHb24<br>Protein Interaction Partner: UBC, SUV39H1, PPP2CA, CAV1, TCF4, COPB1, FZR1, RASSF1, CDC20, HHV8GK18_gp81, TCF3, PSMD4, SMURF2, IKBKG, GATA4, NKX2-5, MYOD1, TCF12, ELK4, ELK1, CASK, MYF6, MYF5, MYOG, IFI16, HES1, RUNX1T1, ELSPBP1,<br>Protein Size: 149 |
| Molecular Weight: | 15 kDa |
| Gene ID: | 3397 |
| NCBI Accession: | NM_181353, NP_851998 |
| UniProt: | P41134 |

## Application Details

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| Application Notes: | WB Suggested Anti-ID1 Antibody Titration: 0.2-1 µg/mL<br>ELISA Titer: 1:7812500<br>Positive Control: Human brain.<br>Optimal working dilutions should be determined experimentally by the investigator. |
| Comment: | Antigen size: 149 AA |
| Restrictions: | For Research Use only |

## Handling

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|---|---|
| Format: | Liquid |

## Handling

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| Concentration: | Lot specific |
| Buffer: | Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose. |
| 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: | Avoid repeated freeze-thaw cycles. |
| Storage: | -20 °C |
| Storage Comment: | For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles. |

## Images

**Western Blotting**

**Image 1.** WB Suggested Anti-ID1 Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:7812500 Positive Control: Human brain