# Mouse ID2 Monoclonal Antibody | anti-ID2 antibody

ID2 antibody

| CATALOG # | HOST | APPLICATIONS |
|---|---|---|
| **AAA74750** | **Mouse** | **Western Blot, Immunohistochemistry, Immunofluorescence** |

## PRODUCT SYNONYMS

ID2; Monoclonal Antibody; ID2 antibody; Monoclonal ID2; Anti-ID2; inhibitor of DNA binding 2 dominant negative helix-loop-helix protein; GIG8; ID2A; ID2H; MGC26389; ID 2; ID-2; anti-ID2 antibody

## PRODUCT SPECIFICATIONS

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|---|---|
| **Host** | Mouse |
| **Clonality** | Monoclonal |
| **Isotype** | IgG2b |
| **Clone Number** | 10C3 |
| **Purity/Purification** | ID2 antibody was purified by affinity chromatography. |
| **Form/Format** | Supplied in PBS buffer, pH 7.3, containing 1% BSA, 50% glycerol and 0.02% sodium azide. |
| **Concentration** | 500 ug-1 mg/ml (varies by lot) |
| **Sequence Length** | 134 |
| **Applicable Applications for anti-ID2 antibody** | WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence) |
| **Biological Significance** | ID2 belongs to the inhibitor of DNA binding (ID) family, members of which are transcriptional regulators that contain a helix-loop-helix (HLH) domain but not a basic domain. Members of the ID family inhibit the functions of basic helix-loop-helix transcription factors in a dominant-negative manner by suppressing their heterodimerization partners through the HLH domains. This protein may play a role in negatively regulating cell differentiation. |
| **Cross-Reactivity** | Human |
| **Immunogen** | ID2 antibody was raised in mouse using a full length recombinant protein of human ID2 (NP_002157) produced in E Coli as the immunogen. |
| **Preparation and Storage** | Store at 4 degree C for short term storage. Aliquot and store at -20 degree C for long term storage. Avoid repeated freeze/thaw cycles. |

## IMAGES

**IHC (Immunohiostchemistry)**
Immunohistochemical analysis of ID2 protein in paraffin embedded Carcinoma of Human liver tissue using ID2 antibody

**WB (Western Blot)**
Western Blot analysis of HEK293T cell lysates (5 ug) transfected with either recombinant ID2 protein (Right) or empty vector (Left) detected with ID2 antibody

## ADDITIONAL INFORMATION

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|---|---|
| **Related Product Information for anti-ID2 antibody** | Mouse monoclonal ID2 antibody |

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|---|---|
| **Product Categories/Family for anti-ID2 antibody** | DNA & RNA |

## NCBI AND UNIPROT INFORMATION

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| **NCBI GI #** | 31982933 |
| **NCBI GeneID** | 3398 |
| **NCBI Accession #** | NP_002157 |
| **NCBI GenBank Nucleotide #** | NM_002166.4 |
| **UniProt Accession #** | Q02363 |
| **Molecular Weight** | 14,917 Da |
| **NCBI Official Full Name** | DNA-binding protein inhibitor ID-2 |
| **NCBI Official Synonym Full Names** | inhibitor of DNA binding 2, dominant negative helix-loop-helix protein |
| **NCBI Official Symbol** | ID2 |
| **NCBI Official Synonym Symbols** | GIG8; ID2A; ID2H; bHLHb26 |
| **NCBI Protein Information** | DNA-binding protein inhibitor ID-2 |
| **UniProt Protein Name** | DNA-binding protein inhibitor ID-2 |
| **UniProt Gene Name** | **ID2** |
| **UniProt Synonym Gene Names** | BHLHB26; bHLHb26 |
| **UniProt Entry Name** | ID2_HUMAN |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://stage.aaabiotech.com/monoclonal/id2-antibody-clone-10c3-western-blot-immunohistochemistry-immunofluorescence-elisa/74750