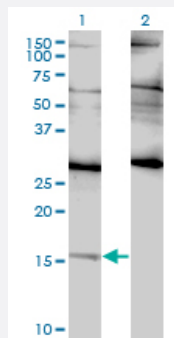


ID2 monoclonal antibody (M01), clone 3C3

Catalog # H00003398-M01

Size 100 ug

Applications

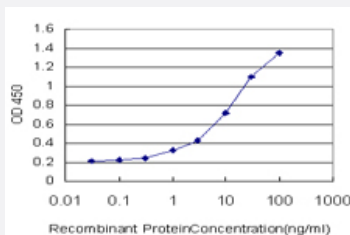


Western Blot (Transfected lysate)

Western Blot analysis of ID2 expression in transfected 293T cell line by ID2 monoclonal antibody (M01), clone 3C3.

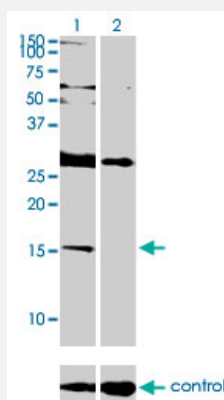
Lane 1: ID2 transfected lysate(14.9 KDa).

Lane 2: Non-transfected lysate.



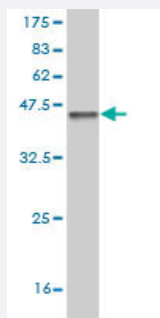
Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged ID2 is approximately 0.3ng/ml as a capture antibody.



RNAi Knockdown (Antibody validated)

Western blot analysis of ID2 over-expressed 293 cell line, cotransfected with ID2 Validated Chimera RNAi (Cat # H00003398-R01V) (Lane 2) or non-transfected control (Lane 1). Blot probed with ID2 monoclonal antibody (M01), clone 3C3 (Cat # H00003398-M01). GAPDH (36.1 kDa) used as specificity and loading control.



Western Blot detection against Immunogen (40.48 KDa) .

Specification

| | |
|--------------------------------|---|
| Product Description | Mouse monoclonal antibody raised against a full length recombinant ID2. |
| Immunogen | ID2 (AAH30639, 1 a.a. ~ 134 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa. |
| Sequence | MKAFSPVRSVRKNSLSDHSLGISRSKTPVDDPMSLLYNMDCYSKLKELVPSIPQNKKVSKMEILQHVIDYILDQLQALDSHPTVSLHHQRPQQNQASRTPLTTLNTDISLSLQASEFPSELMSNDSKALCG |
| Host | Mouse |
| Reactivity | Human |
| Isotype | IgG2a Kappa |
| Quality Control Testing | Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (40.48 KDa) . |
| Storage Buffer | In 1x PBS, pH 7.4 |
| Storage Instruction | Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing. |

Applications

● Western Blot (Transfected lysate)

Western Blot analysis of ID2 expression in transfected 293T cell line by ID2 monoclonal antibody (M01), clone 3C3.

Lane 1: ID2 transfected lysate(14.9 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged ID2 is approximately 0.3ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

- RNAi Knockdown (Antibody validated)

Western blot analysis of ID2 over-expressed 293 cell line, cotransfected with ID2 Validated Chimera RNAi (Cat # H00003398-R01V) (Lane 2) or non-transfected control (Lane 1). Blot probed with ID2 monoclonal antibody (M01), clone 3C3 (Cat # H00003398-M01). GAPDH (36.1 kDa) used as specificity and loading control.

[Protocol Download](#)

Gene Info — ID2

Entrez GeneID [3398](#)

GeneBank Accession# [BC030639](#)

Protein Accession# [AAH30639](#)

Gene Name ID2

Gene Alias GIG8, ID2A, ID2H, MGC26389, bHLHb26

Gene Description inhibitor of DNA binding 2, dominant negative helix-loop-helix protein

Omim ID [600386](#)

Gene Ontology [Hyperlink](#)

Gene Summary The protein encoded by this gene 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. A pseudogene has been identified for this gene. [provided by RefSeq]

Other Designations DNA-binding protein inhibitor ID2|OTTHUMP00000140258|cell growth-inhibiting gene 8|helix-loop-helix protein ID2|inhibitor of DNA binding 2|inhibitor of differentiation 2

Pathway

- [TGF-beta signaling pathway](#)

Disease

- [Attention Deficit Disorder with Hyperactivity](#)
- [Functional Laterality](#)
- [Genetic Predisposition to Disease](#)
- [Ovarian Neoplasms](#)