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ID2 Antibody (monoclonal) (M04)

Mouse monoclonal antibody raised against a full length recombinant ID2.
Catalog # AT2476a

Specification

ID2 Antibody (monoclonal) (M04) - Product Information

Application	**WB**
Primary Accession	Q02363
Other Accession	BC030639
Reactivity	**Human**
Host	**mouse**
Clonality	**Monoclonal**
Isotype	**IgG2a Kappa**
Calculated MW	**14917**

ID2 Antibody (monoclonal) (M04) - Additional Information

Gene ID 3398

Other Names
DNA-binding protein inhibitor ID-2, Class B basic helix-loop-helix protein 26, bHLHb26, Inhibitor of DNA binding 2, Inhibitor of differentiation 2, ID2, BHLHB26

Target/Specificity
ID2 (AAH30639, 1 a.a. ~ 134 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Dilution
WB~~1:500~1000

Format
Clear, colorless solution in phosphate buffered saline, pH 7.2 .

Storage
Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Precautions
ID2 Antibody (monoclonal) (M04) is for research use only and not for use in diagnostic or therapeutic procedures.

ID2 Antibody (monoclonal) (M04) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot

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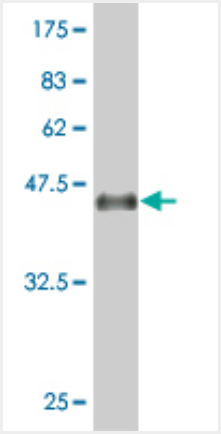
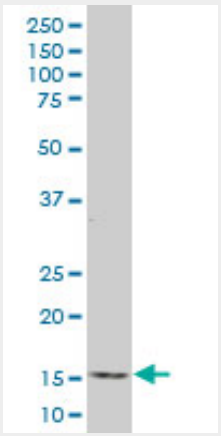
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

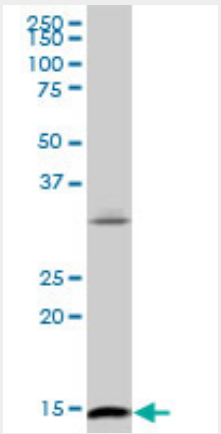
ID2 Antibody (monoclonal) (M04) - Images



Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (40.48 KDa) .



ID2 monoclonal antibody (M04), clone 2C11 Western Blot analysis of ID2 expression in HeLa ((Cat # AT2476a)



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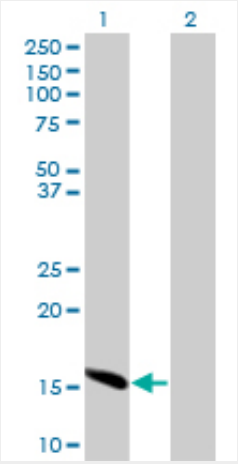
ID2 monoclonal antibody (M04), clone 2C11. Western Blot analysis of ID2 expression in HepG2 ((Cat # AT2476a)



Western Blot analysis of ID2 expression in transfected 293T cell line by ID2 monoclonal antibody (M04), clone 2C11.

Lane 1: ID2 transfected lysate(14.9 KDa).
Lane 2: Non-transfected lysate.

ID2 Antibody (monoclonal) (M04) - Background

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.

ID2 Antibody (monoclonal) (M04) - References

1.The Transcriptional Repressor ID2 Can Interact with the Canonical Clock Components CLOCK and BMAL1 and Mediate Inhibitory Effects on mPer1 Expression.Ward SM, Fernando SJ, Hou TY, Duffield GE.J Biol Chem. 2010 Dec 10;285(50):38987-9000. Epub 2010 Sep 22.