10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

ID2 Antibody (monoclonal) (M04)

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

Product Information

Application	WB
Primary Accession	Q02363
Other Accession	BC030639
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG2a Kappa
Clone Names	2C11
Calculated MW	14917

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.

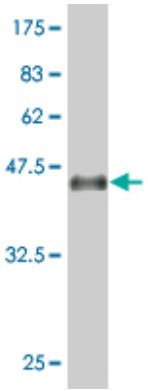
Background

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.

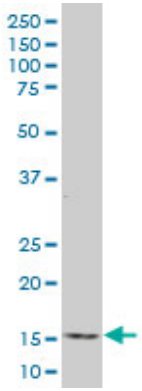
References

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.

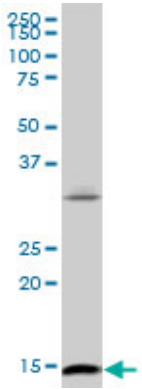
Images



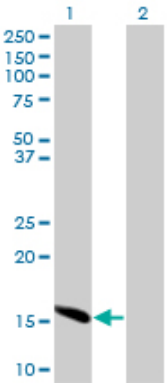
Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (40.48 KDa) .



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



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.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.