

ID1 Antibody (monoclonal) (M04)**Mouse monoclonal antibody raised against a full length recombinant ID1.****Catalog # AT2474a****Specification**

ID1 Antibody (monoclonal) (M04) - Product Information

Application	WB, IF, E
Primary Accession	P41134
Other Accession	BC000613
Reactivity	Human
Host	mouse
Clonality	Monoclonal
Isotype	IgG2a Kappa
Calculated MW	16133

ID1 Antibody (monoclonal) (M04) - Additional Information**Gene ID** 3397**Other Names**

DNA-binding protein inhibitor ID-1, Class B basic helix-loop-helix protein 24, bHLHb24, Inhibitor of DNA binding 1, Inhibitor of differentiation 1, ID1, BHLHB24, ID

Target/Specificity

ID1 (AAH00613.1, 1 a.a. ~ 155 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Dilution

WB~~1:500~1000

IF~~1:50~200

E~~N/A

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

ID1 Antibody (monoclonal) (M04) is for research use only and not for use in diagnostic or therapeutic procedures.

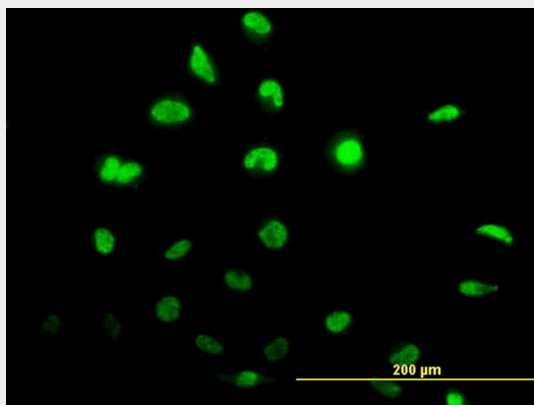
ID1 Antibody (monoclonal) (M04) - Protocols

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

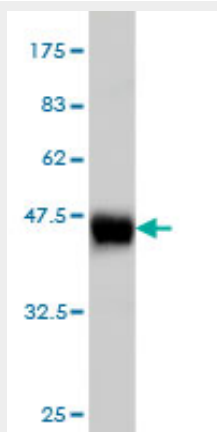
- [Western Blot](#)

- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

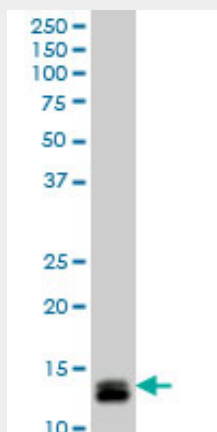
ID1 Antibody (monoclonal) (M04) - Images



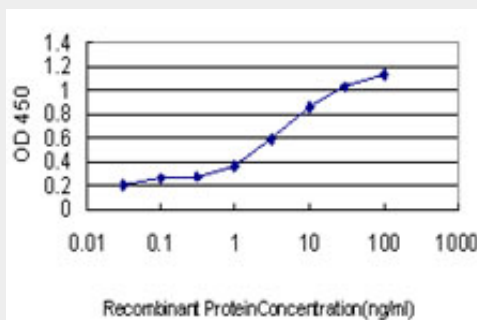
Immunofluorescence of monoclonal antibody to ID1 on HeLa cell. [antibody concentration 10 ug/ml]



Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (42.79 KDa) .



ID1 monoclonal antibody (M04), clone 4G11 Western Blot analysis of ID1 expression in Y-79 (Cat # AT2474a)



Detection limit for recombinant GST tagged ID1 is approximately 0.03ng/ml as a capture antibody.

ID1 Antibody (monoclonal) (M04) - Background

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.

ID1 Antibody (monoclonal) (M04) - References

1.ID3 contributes to cerebrospinal fluid seeding and poor prognosis in medulloblastoma.Phi JH, Choi SA, Lim SH, Lee J, Wang KC, Park SH, Kim SKBMC Cancer. 2013 Jun 15;13:291. doi: 10.1186/1471-2407-13-291.