

ID3 Antibody (monoclonal) (M03)**Mouse monoclonal antibody raised against a partial recombinant ID3.****Catalog # AT2478a****Specification**

ID3 Antibody (monoclonal) (M03) - Product Information

Application	WB, IF, E
Primary Accession	Q02535
Other Accession	NM_002167
Reactivity	Human
Host	mouse
Clonality	Monoclonal
Isotype	IgG2a Kappa
Calculated MW	12999

ID3 Antibody (monoclonal) (M03) - Additional Information**Gene ID** 3399**Other Names**

DNA-binding protein inhibitor ID-3, Class B basic helix-loop-helix protein 25, bHLHb25, Helix-loop-helix protein HEIR-1, ID-like protein inhibitor HLH 1R21, Inhibitor of DNA binding 3, Inhibitor of differentiation 3, ID3, 1R21, BHLHB25, HEIR1

Target/Specificity

ID3 (NP_002158, 1 a.a. ~ 83 a.a) partial 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

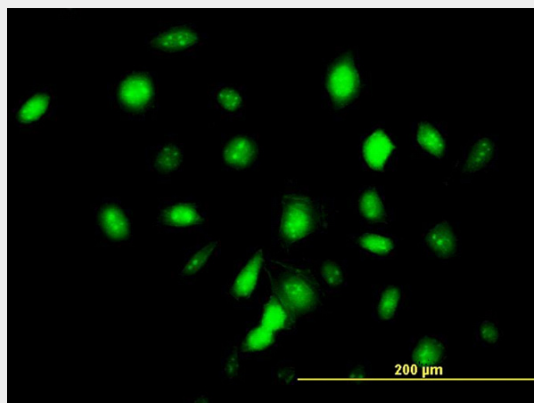
ID3 Antibody (monoclonal) (M03) is for research use only and not for use in diagnostic or therapeutic procedures.

ID3 Antibody (monoclonal) (M03) - Protocols

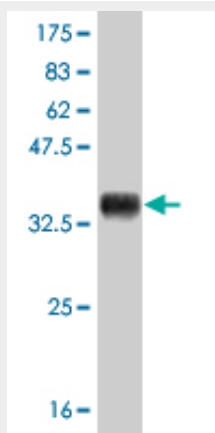
Provided below are standard protocols that you may find useful for product applications.

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

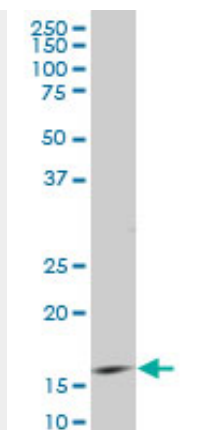
ID3 Antibody (monoclonal) (M03) - Images



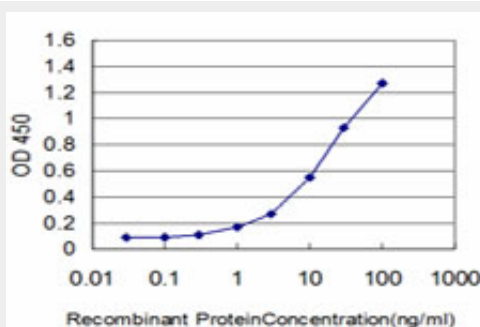
Immunofluorescence of monoclonal antibody to ID3 on HeLa cell. [antibody concentration 10 ug/ml]



Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (34.87 KDa) .



ID3 monoclonal antibody (M03), clone 2H8 Western Blot analysis of ID3 expression in HeLa (Cat # AT2478a)



Detection limit for recombinant GST tagged ID3 is approximately 1ng/ml as a capture antibody.

ID3 Antibody (monoclonal) (M03) - Background

Members of the ID family of helix-loop-helix (HLH) proteins lack a basic DNA-binding domain and inhibit transcription through formation of nonfunctional dimers that are incapable of binding to DNA.

ID3 Antibody (monoclonal) (M03) - References

Id3 is a novel atheroprotective factor containing a functionally significant single-nucleotide polymorphism associated with intima-media thickness in humans. Doran AC, et al. Circ Res, 2010 Apr 16. PMID 20185798. Integrative predictive model of coronary artery calcification in atherosclerosis. McGeachie M, et al. Circulation, 2009 Dec 15. PMID 19948975. Id1/Id3 knockdown inhibits metastatic potential of pancreatic cancer. Shuno Y, et al. J Surg Res, 2010 Jun 1. PMID 19515385. Fibroblast growth factor 2 reactivates G1 checkpoint in SK-N-MC cells via regulation of p21, inhibitor of differentiation genes (Id1-3), and epithelium-mesenchyme transition-like events. Higgins S, et al. Endocrinology, 2009 Sep. PMID 19477940. UVB upregulates the bax promoter in immortalized human keratinocytes via ROS induction of Id3. Trabosh VA, et al. Exp Dermatol, 2009 Apr. PMID 19054058.