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ID3 Antibody (monoclonal) (M03)

Mouse monoclonal antibody raised against a partial recombinant ID3.
Catalog # AT2478a

Product Information

Application	WB, IF, E
Primary Accession	Q02535
Other Accession	NM_002167
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG2a Kappa
Clone Names	2H8
Calculated MW	12999

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.

Background

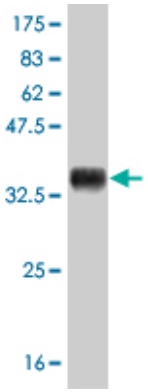
Members of the ID family of helix-loop-helix (HLH) proteins lack a basic DNA-binding domain and inhibit transcription through formation of nonfunctional dimers that are incapable of binding to DNA.

References

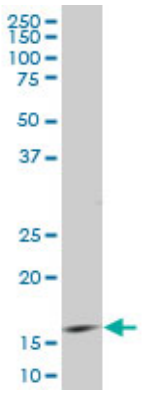
Id3 is a novel atheroprotective factor containing a functionally significant single-nucleotide polymorphism associated with intima-media thickness in humans. Doran AC, et al. Circ Res, 2010 Apr 16. PMID

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.

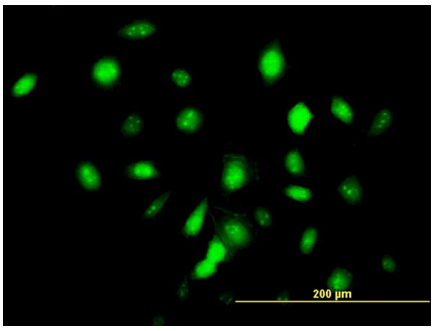
Images



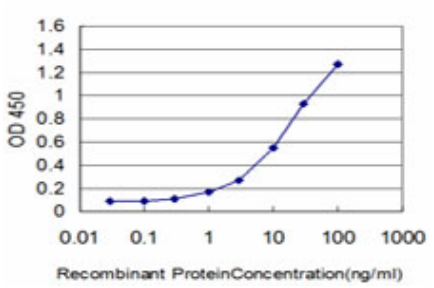
Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (34.87 KDa) .



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



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



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

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