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NEUROD1 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant NEUROD1.
Catalog # AT3023a

Product Information

Application	WB, IHC, IF, E
Primary Accession	Q13562
Other Accession	BC009046
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG2a Kappa
Clone Names	3H8
Calculated MW	39920

Additional Information

Gene ID	4760
Other Names	Neurogenic differentiation factor 1, NeuroD, NeuroD1, Class A basic helix-loop-helix protein 3, bHLHa3, NEUROD1, BHLHA3, NEUROD
Target/Specificity	NEUROD1 (AAH09046, 201 a.a. ~ 300 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000 IHC~~1:100~500 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	NEUROD1 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

Background

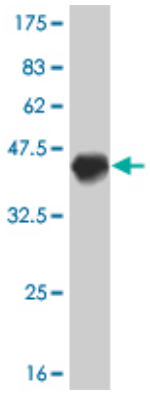
This gene encodes a member of the NeuroD family of basic helix-loop-helix (bHLH) transcription factors. The protein forms heterodimers with other bHLH proteins and activates transcription of genes that contain a specific DNA sequence known as the E-box. It regulates expression of the insulin gene, and mutations in this gene result in type II diabetes mellitus.

References

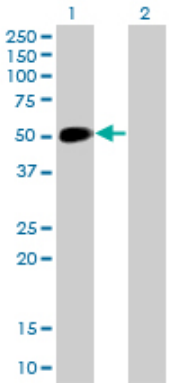
1.Neuroendocrine carcinoma of the esophagus: clinicopathologic study of 10 cases and verification of the diagnostic utility of mASH1, NeuroD1, and PGP9.5.Akazawa M, Kawachi H, Kitagaki K, Seki T, Kawaragi S,

Yuzawa M, Sekine M, Kobayashi M, Nakajima Y, Kawano T, Eishi Y.Esophagus DOI 10.1007/s10388-014-0444-6

Images

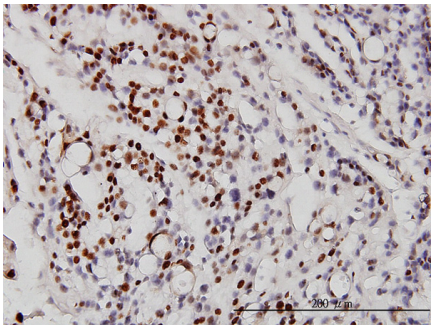


Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (36.63 KDa) .

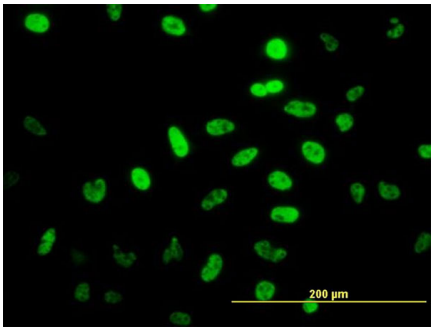


Western Blot analysis of NEUROD1 expression in transfected 293T cell line by NEUROD1 monoclonal antibody (M01), clone 3H8.

Lane 1: NEUROD1 transfected lysate(39.9 KDa).
Lane 2: Non-transfected lysate.

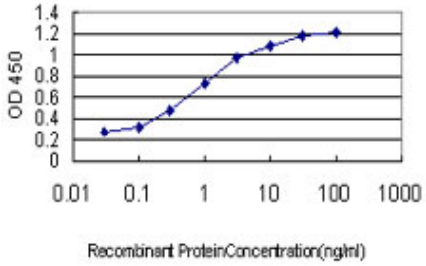


Immunoperoxidase of monoclonal antibody to NEUROD1 on formalin-fixed paraffin-embedded human ovary, clear cell carcinoma. [antibody concentration 3 ug/ml]



Immunofluorescence of monoclonal antibody to NEUROD1 on HeLa cell. [antibody concentration 10 ug/ml]

Detection limit for recombinant GST tagged NEUROD1 is approximately 0.03ng/ml as a capture antibody.



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