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NEUROD1 Antibody (monoclonal) (M01)

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

Specification

NEUROD1 Antibody (monoclonal) (M01) - Product Information

Application	**IF, WB, IHC, E**
Primary Accession	Q13562
Other Accession	BC009046
Reactivity	**Human**
Host	**mouse**
Clonality	**Monoclonal**
Isotype	**IgG2a Kappa**
Calculated MW	**39920**

NEUROD1 Antibody (monoclonal) (M01) - 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

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.

NEUROD1 Antibody (monoclonal) (M01) - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot

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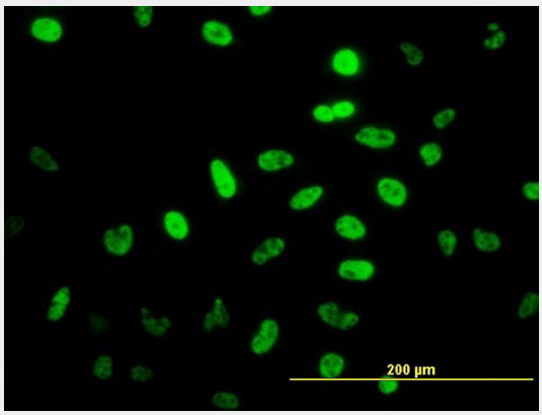
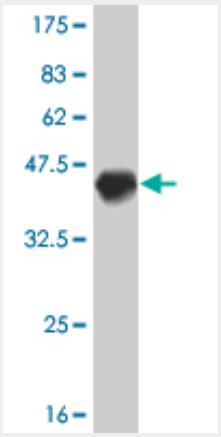
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

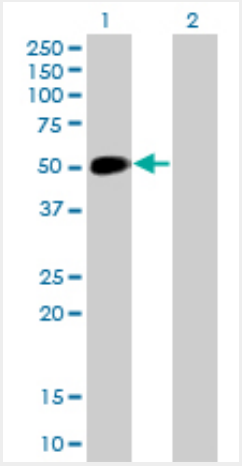
NEUROD1 Antibody (monoclonal) (M01) - Images



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



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



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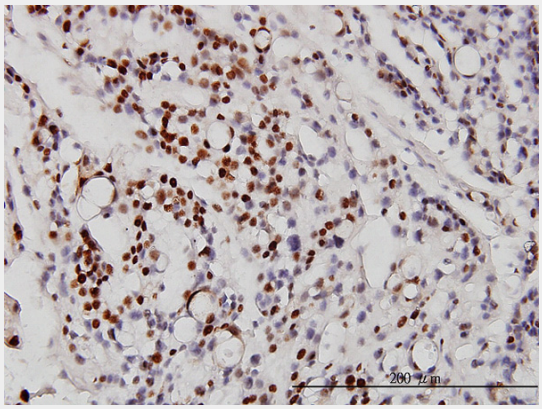
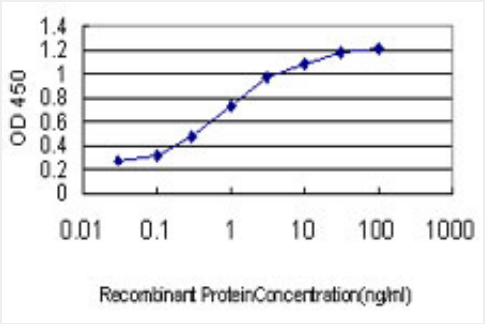
Western Blot analysis of NEUROD1 expression in transfected 293T cell line by NEUROD1 monoclonal antibody (M01), clone 3H8.

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]



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

NEUROD1 Antibody (monoclonal) (M01) - 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.

NEUROD1 Antibody (monoclonal) (M01) - 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