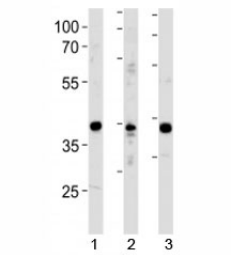
NeuroD1 Antibody (F47843)

Catalog No.	Formulation	Size
F47843-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F47843-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Purified
UniProt	Q13562
Applications	Western blot: 1:1000
Limitations	This NeuroD1 antibody is available for research use only.



NeuroD1 antibody western blot analysis in 1) Y79 cell line, 2) mouse cerebellum and 3) rat brain tissue lysate.

Description

NeuroD1 is a transcriptional activator that acts as a differentiation factor during neurogenesis. It has been demonstrated to bind to the insulin gene E-box. Efficient DNA binding requires dimerization with another basic helix-loop-helix (bHLH) protein. Defects in NEUROD1 are a cause of maturity onset diabetes of the young type VI (MODY6). MODY6 is a form of non-insulin-dependent diabetes mellitus characterized by an autosomal dominant mode of inheritance, onset during young adulthood and a primary defect in insulin secretion.

Application Notes

Titration of the NeuroD1 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 318-348 from the human protein was used as the immunogen for this NeuroD1 antibody.

Storage

Aliquot the NeuroD1 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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