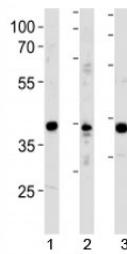


## NeuroD1 Antibody (F47843)

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.