

Product Name: NeuroD2 (807) Rabbit Monoclonal Antibody
Catalog #: AMRe14606



Summary

Production Name	NeuroD2 (807) Rabbit Monoclonal Antibody
Description	Rabbit Monoclonal Antibody
Host	Rabbit
Application	WB,ELISA
Reactivity	Human,Mouse,Rat

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Monoclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% New type preservative N and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.
Purification	Affinity purification

Immunogen

Gene Name	NEUROD2
Alternative Names	bHLHa1; NDR2; NDRF; neuroD related factor; NeuroD2; neurogenic differentiation 2;
Gene ID	4761.0
SwissProt ID	Q15784.

Application

Dilution Ratio	WB 1:500-1:2000
Molecular Weight	41kDa

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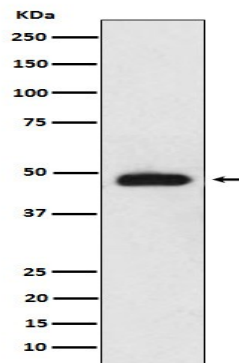


Background

Appears to mediate neuronal differentiation. Transcriptional regulator implicated in neuronal determination. Mediates calcium-dependent transcription activation by binding to E box-containing promoter. Critical factor essential for the repression of the genetic program for neuronal differentiation; prevents the formation of synaptic vesicle clustering at active zone to the presynaptic membrane in postmitotic neurons. Induces transcription of ZEB1, which in turn represses neuronal differentiation by down-regulating REST expression. Plays a role in the establishment and maturation of thalamocortical connections; involved in the segregation of thalamic afferents into distinct barrel domains within layer VI of the somatosensory cortex. Involved in the development of the cerebellar and hippocampal granular neurons, neurons in the basolateral nucleus of amygdala and the hypothalamic-pituitary axis. Associates with chromatin to the DPYSL3 E box-containing promoter (By similarity).

Research Area

Image Data



Western blot analysis of NeuroD2 expression in mouse cerebellum cell lysate.

Note

For research use only.