Datasheet for ABIN7161289

anti-NEUROD2 antibody (AA 254-339) (HRP)

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Overview

Quantity:	100 µg
Target:	NEUROD2
Binding Specificity:	AA 254-339
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NEUROD2 antibody is conjugated to HRP
Application:	ELISA

Product Details

Immunogen:	Recombinant Human Neurogenic differentiation factor 2 protein (254-339AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	NEUROD2
Alternative Name:	NEUROD2 (NEUROD2 Products)
Background:	Background: Transcriptional regulator implicated in neuronal determination. Mediates calcium-dependent transcription activation by binding to E box-containing promoter. Critical factor

Target Details

	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). Aliases: bHLHa1 antibody, class A basic helix loop helix protein 1 antibody, Class A basic helix-loop-helix protein 1 antibody, NDF2_HUMAN antibody, NDR2 antibody, NDRF antibody, neuroD related factor antibody, NeuroD-related factor antibody, NeuroD2 antibody, neurogenic basic helix loop helix protein antibody, neurogenic differentiation 2 antibody, Neurogenic differentiation factor 2 antibody, neuronal differentiation 2 antibody
UniProt:	Q15784

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Preservative: 0.03 % Proclin 300 Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C,-80 °C
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.