

# Immunotag™ NEUROD1 Antibody

Antibody Specification	
Catalog No.	ITA6364
Product Description	Immunotag™ NEUROD1 Antibody
Size	100 µg, 200 µg
Conjugation	HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647
IMPORTANT NOTE	This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return.
Target Protein	NEUROD1
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	WB,IHC,IF/ICC,ELISA
Recommended Dilution	WB 1:500-1:2000 IHC 1:50-1:200, IF/ICC 1:100-1:500
Concentration	1 mg/ml
Reactive Species	Human,Mouse,Rat
Host Species	Rabbit
Immunogen	A synthesized peptide derived from human NEUROD1
Specificity	NEUROD1 Antibody detects endogenous levels of total NEUROD1
Purification	The antiserum was purified by peptide affinity chromatography.
Form	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.Store at -20 °C.Stable for 12 months from date of receipt
Gene Name	NEUROD1
Accession No.	Q13562
Alternate Names	atonal; basic helix loop helix transcription factor; BETA 2; Beta cell E box transactivator 2; BETA2; BHF 1; BHF1; bHLHa3; class A basic helix loop helix protein 3; Class A basic helix-loop-helix protein 3; MODY 6; MODY6; NDF1_HUMAN; NeuroD; NeuroD1; Neurogenic differentiation 1; Neurogenic differentiation factor 1; neurogenic helix loop helix protein NEUROD; Neuronal differentiation 1;

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Description	Acts as a transcriptional activator: mediates transcriptional activation by binding to E box-containing promoter consensus core sequences 5'-CANNTG-3'. Associates with the p300/CBP transcription coactivator complex to stimulate transcription of the secretin gene as well as the gene encoding the cyclin-dependent kinase inhibitor CDKN1A. Contributes to the regulation of several cell differentiation pathways, like those that promote the formation of early retinal ganglion cells, inner ear sensory neurons, granule cells forming either the cerebellum or the dentate gyrus cell layer of the hippocampus, endocrine islet cells of the pancreas and enteroendocrine cells of the small intestine. Together with PAX6 or SIX3, is required for the regulation of amacrine cell fate specification. Also required for dendrite morphogenesis and maintenance in the cerebellar cortex. Associates with chromatin to enhancer regulatory elements in genes encoding key transcriptional regulators of neurogenesis (By similarity).
Cell Pathway/ Category	Primary Polyclonal Antibody
Protein MW	40kDa
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.