

Product datasheet for **TA329758**

NEUROD2 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for anti-NEUROD2 antibody: synthetic peptide directed towards the N terminal of human NEUROD2. Synthetic peptide located within the following region: AEVKEEGELGGEEEEEEEEGLDEAEGERPCKRGPCKRKMTKARLERSK
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	41 kDa
Gene Name:	neuronal differentiation 2
Database Link:	NP_006151 Entrez Gene 4761 Human Q15784



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Background:

NEUROD2 is a member of the neuroD family of neurogenic basic helix-loop-helix (bHLH) proteins. Expression of NEUROD2 can induce transcription from neuron-specific promoters, such as the GAP-43 promoter, which contain a specific DNA sequence known as an E-box. NEUROD2 can induce neurogenic differentiation in non-neuronal cells in *Xenopus* embryos, and is thought to play a role in the determination and maintenance of neuronal cell fates. This gene encodes a member of the neuroD family of neurogenic basic helix-loop-helix (bHLH) proteins. Expression of this gene can induce transcription from neuron-specific promoters, such as the GAP-43 promoter, which contain a specific DNA sequence known as an E-box. The product of the human gene can induce neurogenic differentiation in non-neuronal cells in *Xenopus* embryos, and is thought to play a role in the determination and maintenance of neuronal cell fates. This gene encodes a member of the neuroD family of neurogenic basic helix-loop-helix (bHLH) proteins. Expression of this gene can induce transcription from neuron-specific promoters, such as the GAP-43 promoter, which contain a specific DNA sequence known as an E-box. The product of the human gene can induce neurogenic differentiation in non-neuronal cells in *Xenopus* embryos, and is thought to play a role in the determination and maintenance of neuronal cell fates.

Synonyms:

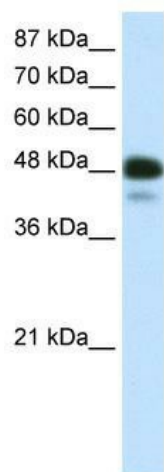
bHLHa1; NDRF

Note:

Immunogen sequence homology: Dog: 100%; Rat: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Bovine: 100%

Protein Families:

Druggable Genome, ES Cell Differentiation/IPS, Transcription Factors

Product images:

WB Suggested Anti-NEUROD2 Antibody Titration: 0.5ug/ml; ELISA Titer: 1:62500; Positive Control: Transfected 293T