

## Product datasheet for **TA343583**

### 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 C terminal of human NEUROD2. Synthetic peptide located within the following region: PGSRPTGHGLVFGSSAVRGGVHSENLISYDMHLHHRGPMYEELNAFFHN
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>
Purification:	Affinity Purified
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:	<a href="#">NP_006151</a> <a href="#">Entrez Gene 4761 Human Q15784</a>



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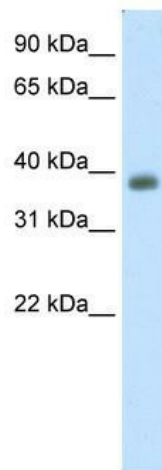
**Background:** NEUROD2 is a member of the neuroD family of neurogenic basic helix-loop-helix (bHLH) proteins. Expression of NEUROD2 can induce transcription from neuron-specific promoters, such as the GAP-43 promoter, which contain a specific DNA sequence known as an E-box. NEUROD2 can induce neurogenic 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.

**Synonyms:** bHLHa1; NDRF

**Note:** Immunogen Sequence Homology: Dog: 100%; Pig: 100%; Rat: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Bovine: 100%; Rabbit: 100%; Guinea pig: 100%

**Protein Families:** Druggable Genome, ES Cell Differentiation/IPS, Transcription Factors

### Product images:



WB Suggested Anti-NEUROD2 Antibody Titration:  
0.2-1 ug/ml; ELISA Titer: 1: 1562500; Positive  
Control: Human cerebellum