

**NEUROD2 antibody - C-terminal region**  
**Rabbit Polyclonal Antibody**  
**Catalog # AI11454****Specification**

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**NEUROD2 antibody - C-terminal region - Product Information**

Application	WB
Primary Accession	<a href="#">Q15784</a>
Other Accession	<a href="#">NM_006160</a> , <a href="#">NP_006151</a>
Reactivity	Human, Mouse, Rat, Rabbit, Horse, Bovine, Dog
Predicted	Mouse, Rabbit, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	41kDa KDa

**NEUROD2 antibody - C-terminal region - Additional Information****Gene ID** 4761**Alias Symbol** **NDRF, bHLHa1****Other Names**

Neurogenic differentiation factor 2, NeuroD2, Class A basic helix-loop-helix protein 1, bHLHa1, NeuroD-related factor, NDRF, NEUROD2, BHLHA1, NDRF

**Format**

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

**Reconstitution & Storage**

Add 50 ul of distilled water. Final anti-NEUROD2 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

**Precautions**

NEUROD2 antibody - C-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

**NEUROD2 antibody - C-terminal region - Protein Information****Name** NEUROD2**Synonyms** BHLHA1, NDRF**Function**

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).

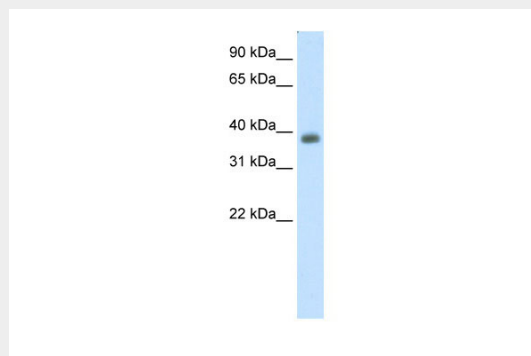
**Cellular Location**

Nucleus {ECO:0000255|PROSITE-ProRule:PRU00981}.

**NEUROD2 antibody - C-terminal region - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**NEUROD2 antibody - C-terminal region - Images**

WB Suggested Anti-NEUROD2 Antibody Titration: 0.2-1 µg/ml

ELISA Titer: 1:1562500

Positive Control: Human cerebellum

**NEUROD2 antibody - C-terminal region - References**

Westerman, B.A., et al., (2004) Biochim. Biophys. Acta 1676 (1), 96-103  
Reconstitution and Storage: For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.