

# NEUROD2 polyclonal antibody

Catalog # PAB6948

Size 100 ug

## Specification

Product Description	Goat polyclonal antibody raised against synthetic peptide of NEUROD2.
Immunogen	A synthetic peptide corresponding to human NEUROD2.
Sequence	C-DMHLHHDRGPMYEE
Host	Goat
Theoretical MW (kDa)	41.4
Form	Liquid
Purification	Antigen affinity purification
Concentration	0.5 mg/mL
Quality Control Testing	Antibody Reactive Against Synthetic Peptide.
Recommend Usage	ELISA (1:32000) The optimal working dilution should be determined by the end user.
Storage Buffer	In Tris saline, pH 7.3 (0.5% BSA, 0.02% sodium azide)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Applications

- Enzyme-linked Immunoabsorbent Assay

## Gene Info — NEUROD2

Entrez GeneID [4761](#)

Protein Accession# [NP\\_006151.3](#)

Gene Name NEUROD2

Gene Alias MGC26304, NDRF, bHLHa1

Gene Description neurogenic differentiation 2

Omim ID [601725](#)

Gene Ontology [Hyperlink](#)

**Gene Summary** 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. [provided by RefSeq]

**Other Designations** neuroD-related factor|neurogenic basic-helix-loop-helix protein|neurogenic differentiation factor 2

## Publication Reference

- [The dosage of the neuroD2 transcription factor regulates amygdala development and emotional learning.](#)

Lin CH, Hansen S, Wang Z, Storm DR, Tapscott SJ, Olson JM.

PNAS 2005 Oct; 102(41):14877.

Application: ChIP, Mouse, Primary neuronal culture from mouse brains

## Disease

- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Diabetes Mellitus](#)
- [Genetic Predisposition to Disease](#)
- [Mental Disorders](#)