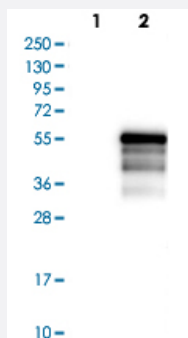


NEUROD1 polyclonal antibody

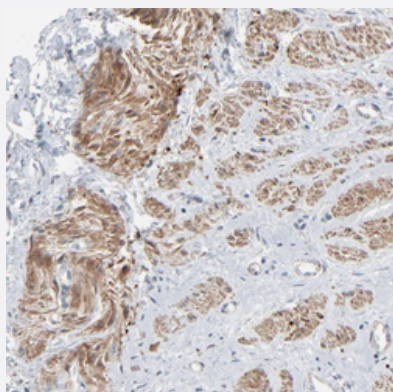
Catalog # PAB29535 Size 100 uL

Applications



Western Blot (Transfected lysate)

Western blot analysis of Lane 1: Negative control (vector only transfected HEK293T lysate), Lane 2: Over-expression lysate (Co-expressed with a C-terminal myc-DDK tag (~3.1 kDa) in mammalian HEK293T cells) with NEUROD1 polyclonal antibody (Cat # PAB29535).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining of human stomach with NEUROD1 polyclonal antibody (Cat # PAB29535) shows strong cytoplasmic positivity in smooth muscle cells.

Specification

Product Description	Rabbit polyclonal antibody raised against recombinant human NEUROD1.
Immunogen	Recombinant protein corresponding to human NEUROD1.
Sequence	ASFPVHPYSYQSPGLPSPPYGTMDSSSHVFHVKPPPHAYSAALEPFFESPLTDCTSPSFDGPLSP PLSINGNFSFKHEPSAEFEKNYAFTMHYPAATLAGAQSHGSIFSGTAAPRCEIPIDNIMSFDSHSHH ERVMSAQL
Host	Rabbit
Reactivity	Human

Form	Liquid
Purification	Antigen affinity purification
Isotype	IgG
Recommend Usage	Immunohistochemistry (1:50-1:200) Western Blot (1:250-1:500) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.2 (40% glycerol, 0.02% sodium azide)
Storage Instruction	Store at 4°C. For long term storage 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

- Western Blot (Transfected lysate)

Western blot analysis of Lane 1: Negative control (vector only transfected HEK293T lysate), Lane 2: Over-expression lysate (Co-expressed with a C-terminal myc-DDK tag (~3.1 kDa) in mammalian HEK293T cells) with NEUROD1 polyclonal antibody (Cat # PAB29535).

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Gene Info — NEUROD1

Entrez GeneID	4760
Gene Name	NEUROD1
Gene Alias	BETA2, BHF-1, NEUROD, bHLHa3
Gene Description	neurogenic differentiation 1
Omim ID	125853 601724
Gene Ontology	Hyperlink

Gene Summary

This gene encodes a member of the NeuroD family of basic helix-loop-helix (bHLH) transcription factors. The protein forms heterodimers with other bHLH proteins and activates transcription of genes that contain a specific DNA sequence known as the E-box. It regulates expression of the insulin gene, and mutations in this gene result in type II diabetes mellitus. [provided by RefSeq]

Other Designations

basic helix-loop-helix transcription factor|beta-cell E-box transactivator 2|neurogenic differentiation factor 1|neurogenic helix-loop-helix protein NEUROD

Pathway

- [Maturity onset diabetes of the young](#)

Disease

- [Albuminuria](#)
- [Cardiovascular Diseases](#)
- [Diabetes](#)
- [Diabetes Mellitus](#)
- [Diabetic Nephropathies](#)
- [Diabetic Retinopathy](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Glucose Intolerance](#)
- [Infant](#)
- [Mental Disorders](#)
- [Obesity](#)