

Rabbit Anti-NEUROD1 antibody

SLM-52948R

Product Name NEUROD1

Chinese Name 神经 Cell differentiation 因子 1Recombinant rabbit monoclonal anti

Alias atonal; Neurod1 protein; basic helix loop helix transcription factor; bHLHa3; class A basic helix loop helix protein 3; Class A basic helix-loop-helix protein 3; MODY 6; MODY6; NDF1_HUMAN; NeuroD1; neurogenic helix loop helix protein NEUROD; Beta cell E box transactivator 2; BETA2; BHF 1; BHF1; NEUROD; Neurogenic differentiation 1; Neurogenic differentiation factor 1; NIDDM; BHLHA3.

Research Area Tumour Cardiovascular immunology Chromatin and nuclear signals Neurobiology Stem cells The new supersedes the old Epigenetics

Immunogen Species Rabbit

Clonality Monoclonal

React Species Human,Rat

WB=1:500-2000

Applications not yet tested in other applications.
optimal dilutions/concentrations should be determined by the end user.

Theoretical molecular weight 40kDa

Cellular localization The nucleus cytoplasmic

Form Liquid

Concentration 1mg/ml

immunogen KLH conjugated synthetic peptide derived from human NEUROD1: 1-50/356

Lsotype IgG

Purification affinity purified by Protein A

Buffer Solution 1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol.

Storage Shipped at 4°C. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.

Attention This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

PubMed

[PubMed](#)

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, Jul 2008]

SWISS:
Q13562

Gene ID:
4760

Database links:

[Entrez Gene: 4760](#) Human

[Entrez Gene: 18012](#) Mouse

[Entrez Gene: 29458](#) Rat

[Omim: 601724](#) Human

[SwissProt: Q13562](#) Human

[SwissProt: Q60867](#) Mouse

[SwissProt: Q64289](#) Rat

[Unigene: 574626](#) Human

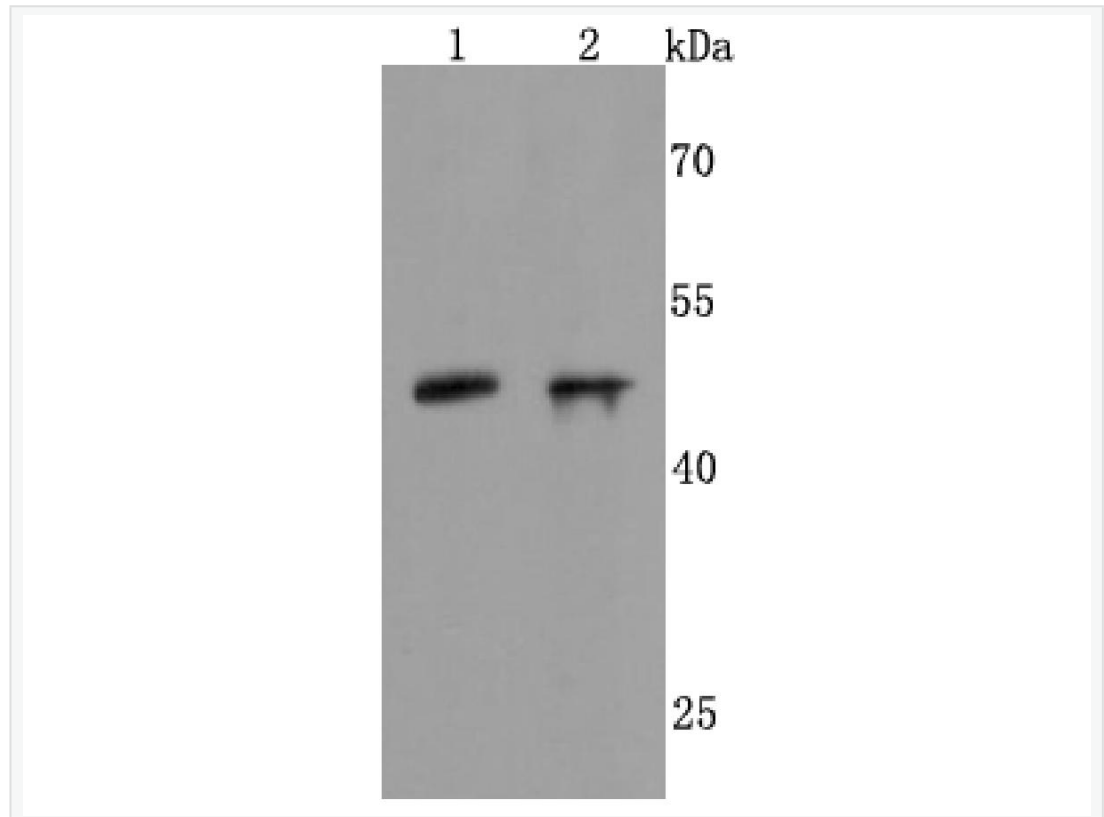
[Unigene: 709709](#) Human

[Unigene: 4636](#) Mouse

[Unigene: 44289](#) Rat

**Product
Detail**

**Product
Picture**



Western blot analysis of NeuroD1 on different lysates. Proteins were transferred to a PVDF membrane and blocked with 5% BSA in PBS for 1 hour at room temperature. The primary antibody (SLM-52948R, 1/500) was used in 5% BSA at room temperature for 2 hours. Goat Anti-Rabbit IgG - HRP Secondary Antibody (HA1001) at 1:200,000 dilution was used for 1 hour at room temperature. Positive control: Lane 1: Human brain tissue lysate Lane 2: SH-SY5Y cell lysate