Nur für Forschungszwecke

NEUROD1 Monoklonaler Antikörper

Katalog-Nr.:66691-1-Ig

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Antibodies | ELISA kits | Proteins
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Allgemeine Informationen

Katalog-Nr.:
66691-1-Ig

Größe:
150ul , Konzentration: 1700 μg/ml von Nanodrop und 1000 μg/ml durch die Bradford-Methode mit BSA als Standard;

Wirt:
Maus

Isotyp:
IgG1

Immunogen Katalognummer:
AG27606

GenBank-Zugangsnummer:
BC009046

GeneID (NCBI):
4760

Vollständiger Name:
neurogenic differentiation 1

Berechneté Masse:
356 aa, 40 kDa

Beobachteté Masse:
40-50 kDa

Reinigungsmethode:
Protein-G-Reinigung

CloneNo.:
3E10F1

Empfohlene Verdünnungen:
WB 1:5000-1:50000
IHC 1:500-1:2000

Anwendungen

Geprüfte Anwendungen:
FC, IHC, WB, ELISA

Getestete Reaktivität:
Human, Maus

Hinweis-IHC: Antigendemaskierung mit TE-Puffer pH 9,0 empfohlen. (*) Wahlweise kann die Antigendemaskierung auch mit Citratpuffer pH 6,0 erfolgen.

Positivkontrollen:

WB : Y79-Zellen, SH-SY5Y-Zellen

IHC : humanes Pankreaskarzinomgewebe,

Hintergrundinformationen

NeuroD is a member of the basic helix-loop-helix (bHLH) family of transcription factors. The basic helix-loop-helix (bHLH) proteins are transcription factors that are required for several aspects of development, including cell type determination, terminal differentiation and sex determination. Members of the myogenic determination family, MyoD, myf5, myogenin and MRF4, all have bHLH domains.These proteins function by forming heterodimers with E-proteins and binding to the canonical E-box sequence CANNTG. Neuro D is expressed transiently in a subset of neurons in the central and peripheral nervous systems at the time of their terminal differentiation into mature neurons. Moreover, ectopic expression of Neuro D in Xenopus embryos induces premature differentiation of neuronal precursors and Neuro D can convert presumptive epidermal cells into neurons.The lack of NeuroD in the brain results in severe defects in development. Human mutations have been linked to a number of types of diabetes including type I diabetes mellitus and maturity-onset diabetes of the young. The calculated molecular weight of NEUROD1 is 39 kDa, but the modified NEUROD1 protein is about 45-50 kDa.

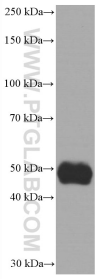
Lagerung

Lagerungsbedingungen:
Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil
Lagerungspuffer:
PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.
Aliquotieren ist nicht notwendig bei -20°C lagerung

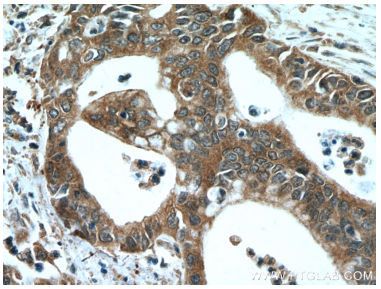
***** 20ul-Größen enthalten 0.1% BSA**

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

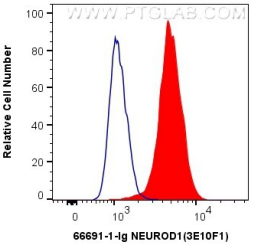
Ausgewählte Validierungsdaten



Y79 cells were subjected to SDS PAGE followed by western blot with 66691-1-Ig (NEUROD1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human pancreas cancer tissue slide using 66691-1-Ig (NEUROD1 antibody) at dilution of 1:1000 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



1X10^6 SH-SY5Y cells were intracellularly stained with 0.5 ug Anti-Human NEUROD1 (66691-1-Ig, Clone:3E10F1) (red) labeled with FlexAble CoraLite® Plus 555 Antibody Labeling Kit for Mouse IgG1 (KFA022), or 0.5 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).