

À des fins de recherche uniquement

Anticorps Polyclonal de lapin anti-NEUROD1



Numéro de catalogue: 12081-1-AP

Phare

12 Publications

Informations de base

Numéro de catalogue:
12081-1-AP

Taille:
150ul, Concentration: 550 µg/ml by
Nanodrop;

Hôte:
Lapin

Isotype:
IgG

Immunogen Catalog Number:
AG2713

Numéro d'acquisition GenBank:
BC009046

Identification du gène (NCBI):
4760

Nom complet:
neurogenic differentiation 1

MW calculé:
356 aa, 40 kDa

MW observés:
50 kDa

Méthode de purification:
Purification par affinité contre
l'antigène

Dilutions recommandées:
WB 1:500-1:1000
IP 0.5-4.0 ug for IP and 1:200-1:1000
for WB
IHC 1:50-1:500
IF 1:50-1:500

Applications

Applications testées:
IF, IHC, IP, WB, ELISA

Demandes citées:
IF, IHC, WB

Spécificité de l'espèce:
Humain, rat, souris

Espèces citées:
Humain, rat, souris

Contrôles positifs:

WB : cellules Y79, tissu pancréatique de rat, tissu
pancréatique de souris

IP : cellules Y79,

IHC : tissu cérébral de rat, tissu cérébral de souris, tissu
de cancer du pancréas humain

IF : tissu cérébral de souris,

**Remarque-IHC: il est suggéré de démasquer
l'antigène avec un tampon de TE buffer pH
9.0; (*) À défaut, 'le démasquage de
l'antigène peut être 'effectué avec un
tampon citrate pH 6.0.**

Informations générales

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 CANN TG. 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.

Publications notables

Autrice	Pubmed ID	Journal	Application
Gwyneth M Welch	36170369	Sci Adv	IF
Jianwei Xie	33033581	Comput Struct Biotechnol J	IHC, WB
Kaitlin Ching	32931487	PLoS Biol	IF

Stockage

Stockage:

Stocker à -20°C. Stable pendant un an après l'expédition.

Tampon de stockage:

PBS avec azoture de sodium à 0,02 % et glycérol à 50 % pH 7,3

L'aliquotage n'est pas nécessaire pour le stockage à -20C

*** Les 20ul contiennent 0,1% de BSA.

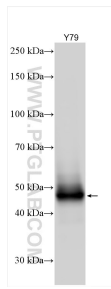
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free
in USA), or 1(312) 455-8498 (outside USA)

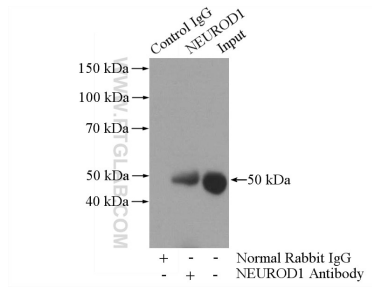
E: proteintech@ptglab.com
W: ptglab.com

**This product is exclusively available under Proteintech
Group brand and is not available to purchase from any
other manufacturer.**

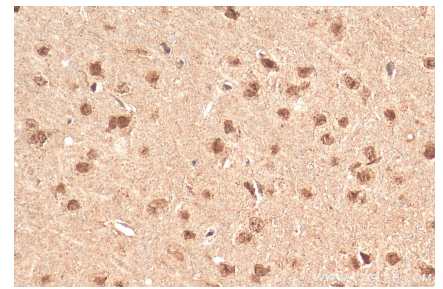
Données de validation sélectionnées



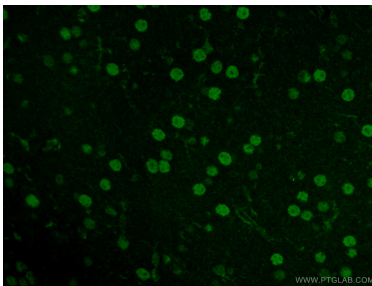
Various lysates were subjected to SDS PAGE followed by western blot with 12081-1-AP (NEUROD1 antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



IP Result of anti-NEUROD1 (IP:12081-1-AP, 3ug; Detection:12081-1-AP 1:200) with Y79 cells lysate 2000ug.



Immunohistochemical analysis of paraffin-embedded rat brain tissue slide using 12081-1-AP (NEUROD1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed mouse brain tissue using 12081-1-AP (NEUROD1 antibody) at dilution of 1:50 and Alexa Fluor 488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).