

À des fins de recherche uniquement

Anticorps Polyclonal de lapin anti-CUX1



Numéro de catalogue: 11733-1-AP

Phare

44 Publications

Informations de base

Numéro de catalogue:
11733-1-AP

Taille:
150ul, Concentration: 1000 µg/ml by
Nanodrop;

Hôte:
Lapin

Isotype:
IgG

Immunogen Catalog Number:
AG2335

Numéro d'acquisition GenBank:
BC025422

Identification du gène (NCBI):

Nom complet:
cut-like homeobox 1

MW calculé:
676 aa, 77 kDa

MW observés:
80 kDa

Méthode de purification:
Purification par affinité contre
l'antigène

Dilutions recommandées:
WB 1:2000-1:16000
IP 0.5-4.0 ug for IP and 1:500-1:2000
for WB
IHC 1:1000-1:4000
IF 1:10-1:100

Applications

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

Demandes citées:
IF, IHC, IP, WB

Spécificité de l'espèce:
Humain, rat, souris

Espèces citées:
Humain, 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.

Contrôles positifs:

WB : cellules Jurkat, cellules L02, tissu cérébral de rat, tissu cérébral de souris, tissu cérébral humain, tissu hépatique de rat, tissu hépatique de souris, tissu hépatique humain

IP : tissu cérébral de souris,

IHC : tissu cérébral de souris,

IF : cellules HepG2, cortex de souris

Informations générales

CUX1 is a transcription factors that regulates a large number of genes and microRNAs involved in multiple cellular processes, such as DNA replication, progression into S phase and later, the spindle assembly checkpoint that controls progression through mitosis. Cux1, a marker of supragranular layers. CUX1 acts by preventing binding of positively-acting CCAAT factors to promoters to mediated its gene repression. Also it's a component of nf-munr repressor, and binds to the matrix attachment regions (MARs) (5' and 3') of the immunoglobulin heavy chain enhancer. It can represses T-cell receptor (TCR) beta enhancer function by binding to MARbeta, an ATC-rich DNA sequence located upstream of the TCR beta enhancer. CUX1 protein containing three cut repeats and a homeodomain called p200, there are several truncated isoforms that have been identified. These isoforms include a testis-specific isoform containing one cut repeat and the homeodomain called p55. In situ hybridization showed that mRNA for p55 was most abundant in round spermatids. Additional isoforms include p75, a protein similar in structure to p55, derived from the use of an alternate promoter in intron 20; the cut alternately spliced protein (CASP), a Golgi protein that contains amino-terminal sequences but none of the cut repeats or homeodomains; and several other isoforms (p80, p90, p110, and p150) that appear to arise via proteolytic processing]. This antibody can recognizes full-length p200 Cux1 and CASP protein (70-80kDa).

Publications notables

Autrice	Pubmed ID	Journal	Application
Dörthe Holdhof	31504276	Cereb Cortex	
Ji-Wei Liu	36313621	Front Cell Neurosci	IHC
Patrizia Bossolasco	36220610	Neurobiol Dis	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.

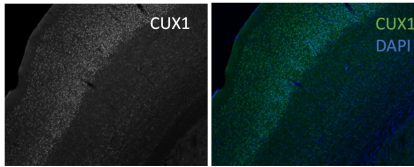
For technical support and original validation data for this product please contact:

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.

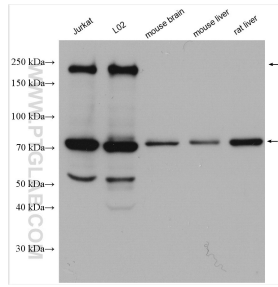
Données de validation sélectionnées



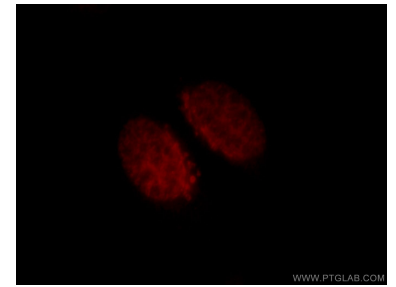
Adult mouse Cortex 10x

Formalin-fixed. CUX-1 used at 1:300 dilution overnight in TBS buffer, 5% NDS, 1% BSA, .25% Triton-X Donkey anti Rabbit 488 used at 1:500 for 2 hours

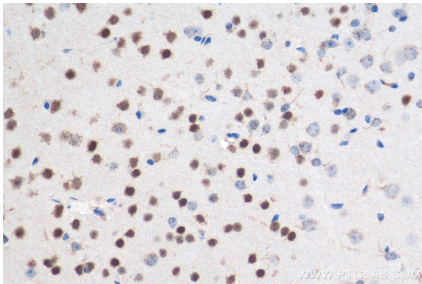
IF result of the antibody CUX1 (11733-1-AP, 1:300) with mouse cortex, Data from Dr. Lee O. Vaasjo Muñoz, University of Chicago. .



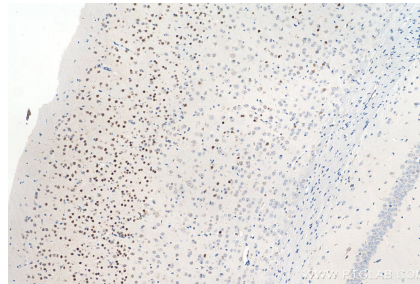
Various lysates were subjected to SDS PAGE followed by western blot with 11733-1-AP (CUX1 antibody) at dilution of 1:8000 incubated at room temperature for 1.5 hours.



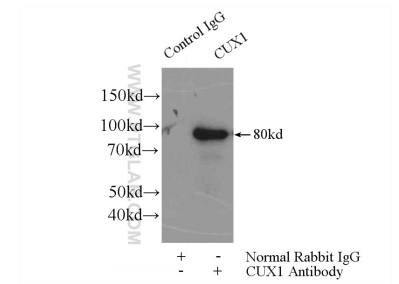
Immunofluorescent analysis of HepG2 cells, using CUX1 antibody 11733-1-AP at 1:25 dilution and Rhodamine-labeled goat anti-rabbit IgG (red).



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 11733-1-AP (CUX1 antibody) at dilution of 1:2000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 11733-1-AP (CUX1 antibody) at dilution of 1:2000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



IP Result of anti-CUX1 (IP:11733-1-AP, 4ug; Detection:11733-1-AP 1:1000) with mouse brain tissue lysate 4000ug.