

À des fins de recherche uniquement

Anticorps Polyclonal de lapin anti-OLIG2



Numéro de catalogue: 13999-1-AP

55 Publications

Informations de base

Numéro de catalogue: 13999-1-AP	Numéro d'acquisition GenBank: BC047511	Méthode de purification: Purification par affinité contre l'antigène
Taille: 150ul , Concentration: 600 µg/ml by Nanodrop;	Identification du gène (NCBI): 10215	Dilutions recommandées: WB 1:1000-1:8000
Hôte: Lapin	Nom complet: oligodendrocyte lineage transcription factor 2	IP 0.5-4.0 ug for IP and 1:500-1:2000 for WB
Isotype: IgG	MW calculé: 32 kDa	IHC 1:50-1:500
Immunogen Catalog Number: AG5089	MW observés: 32-36 kDa	IF 1:250-1:1000

Applications

Applications testées:

IF, IHC, IP, WB, ELISA

Demandes citées:

IF, IHC, WB

Spécificité de l'espèce:

Humain, rat, souris

Espèces citées:

bovin, Humain, rat, 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 : tissu cérébral de souris, cerveau de rat

IP : tissu cérébral de souris,

IHC : tissu cérébral de souris, tissu de gliome humain

IF : tissu cérébral de rat,

Informations générales

OLIG2, also named as BHLHB1, BHLHE19, PRKCBP2 and RACK17, is required for oligodendrocyte and motor neuron specification in the spinal cord, as well as for the development of somatic motor neurons in the hindbrain. Cooperates with OLIG1, OLIG2 establish the pMN domain of the embryonic neural tube. Antagonist of V2 interneuron and of NIKX2-2-induced V3 interneuron development. OLIG2 is widely expressed in subsets of glia cells and progenitors, and it is strongly induced at different sites by both acute and chronic injury, albeit with different mechanisms. OLIG2 acts as a repressor of neurogenesis in cells reacting to brain injury. It may represent an effective approach towards evoking neuronal repair from parenchymal precursors.(PMID:19390819)

Publications notables

Autrice	Pubmed ID	Journal	Application
Lirong Liang	34585785	J Pineal Res	WB
Yizi Zhu	36142668	Int J Mol Sci	IF
Angela M Lager	30213958	Nat Commun	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.

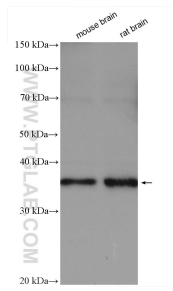
For technical support and original validation data for this product please contact:

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

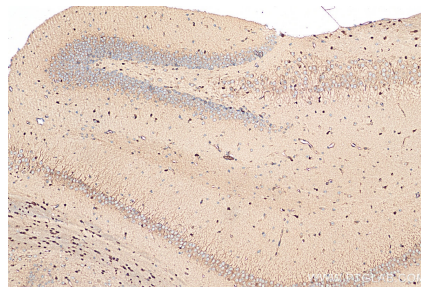
E: proteintech@ptglab.com
W: ptglab.com

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

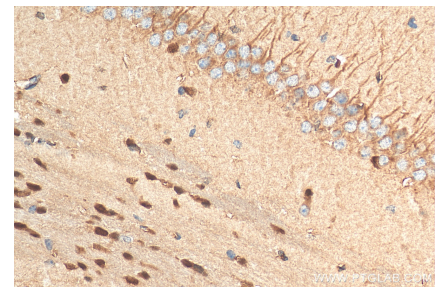
Données de validation sélectionnées



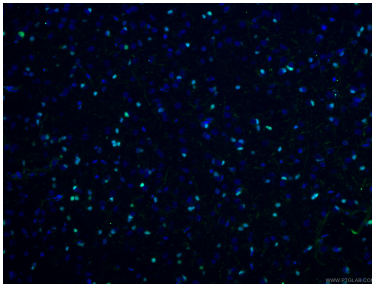
Various lysates were subjected to SDS PAGE followed by western blot with 13999-1-AP (OLIG2 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



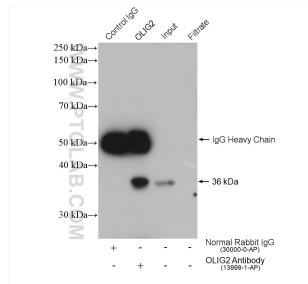
Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 13999-1-AP (OLIG2 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 13999-1-AP (OLIG2 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 rat brain tissue using 13999-1-AP (OLIG2 antibody), at dilution of 1:500 and CoralLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



IP result of anti-OLIG2(IP:13999-1-AP, 4ug; Detection:13999-1-AP 1:1000) with mouse brain tissue lysate 1600 ug.