

À des fins de recherche uniquement

Anticorps Polyclonal de lapin anti-VMAT2



Numéro de catalogue: 20873-1-AP

Phare

6 Publications

Informations de base

Numéro de catalogue: 20873-1-AP	Numéro d'acquisition GenBank: BC108928	Méthode de purification: Purification par affinité contre l'antigène
Taille: 150ul , Concentration: 450 µg/ml by Nanodrop and 320 µg/ml by Bradford method using BSA as the standard;	Identification du gène (NCBI): 6571	Dilutions recommandées: WB 1:500-1:1000 IHC 1:200-1:800
Hôte: Lapin	Nom complet: solute carrier family 18 (vesicular monoamine), member 2	
Isotype: IgG	MW calculé 514 aa, 56 kDa	
Immunogen Catalog Number: AG14971	MW observés: 45-55 kDa	

Applications

Applications testées: IHC, WB, ELISA	Contrôles positifs: WB : cellules SGC-7901, IHC : tissu cérébral de souris, tissu cérébral de rat
Demandes citées: IF, WB	
Spécificité de l'espèce: Humain	
Espèces citées: Humain, rat, souris	

Remarque-IHC: il est suggéré de démasquer l'antigène avec un tampon de TE buffer pH 9,0; (*) A défaut, 'le démasquage de l'antigène peut être 'effectué avec un tampon citrate pH 6,0.

Informations générales

VMAT2 is a vesicular monoamine transporter that is responsible for the uptake and storage of monoamines (dopamine, norepinephrine, epinephrine, histamine and serotonin) in neurons, endocrine cells, and tumors deriving from these cells. Histamine-producing endocrine tumors (gastric carcinoids) expressed VMAT2 almost exclusively, thus VMAT2 is useful in classification of neuroendocrine tumors. Reduced expression of VMAT2 has often been observed in Parkinson's diseased (PD) brain, and detection of VMAT2 can be used to reflect the 4-(2-aminoethyl)benzene-1,2-diol neuron loss and predict the disease process. Several forms of VMAT2 can be observed upon the glycosylation: 45 kDa band corresponds to the native (deglycosylated) form, and the 55 and 75 kDa bands to glycosylated forms (PMID: 17582657).

Publications notables

Autrice	Pubmed ID	Journal	Application
Sha Li	30922214	Mol Med	IF
Hao Qian	32581380	Nature	WB,IF
Han-Xiang Deng	27270108	Nat Genet	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.

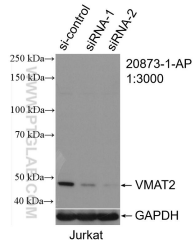
For technical support and original validation data for this product please contact:

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

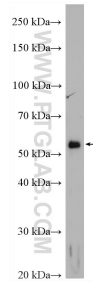
E: proteintech@ptglab.com
W: ptglab.com

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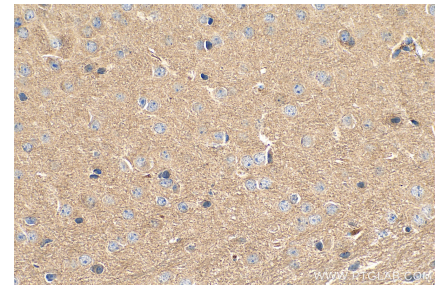
Données de validation sélectionnées



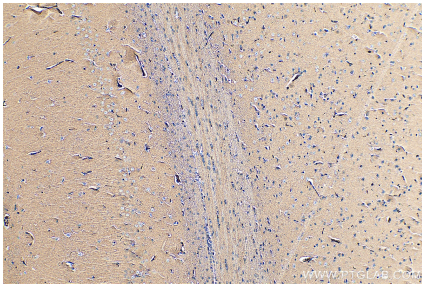
WB result of VMAT2 antibody (20873-1-AP; 1:3000; incubated at room temperature for 1.5 hours) with sh-Control and sh-VMAT2 transfected Jurkat cells.



SGC-7901 cells were subjected to SDS PAGE followed by western blot with 20873-1-AP (VMAT2 antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 20873-1-AP (VMAT2 antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded rat brain tissue slide using 20873-1-AP (VMAT2 antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).