

Allgemeine Informationen

Katalog-Nr.: 20873-1-AP	GenBank-Zugangsnummer: BC108928	Reinigungsmethode: Antigen-Affinitätsreinigung
Größe: 150ul , Konzentration: 450 µg/ml von Nanodrop und 320 µg/ml durch die Bradford-Methode mit BSA als Standard;	GeneID (NCBI): 6571	Empfohlene Verdünnungen: WB 1:500-1:1000 IHC 1:200-1:800
Wirt: Kaninchen	Vollständiger Name: solute carrier family 18 (vesicular monoamine), member 2	
Isotyp: IgG	Berechnete Masse: 514 aa, 56 kDa	
Immunogen Katalognummer: AG14971	Beobachtete Masse: 45-55 kDa	

Anwendungen

Geprüfte Anwendungen: IHC, WB, ELISA	Positivkontrollen: WB : SGC-7901-Zellen, IHC : Maushirngewebe, Rattenhirngewebe
In Publikationen genannte Anwendungen: IF, WB	
Getestete Reaktivität: Human	
Zitierte Arten: Human, Maus, Ratte	

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

Hintergrundinformationen

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).

Bemerkenswerte Veröffentlichungen

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

Lagerung

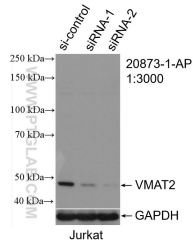
Lagerungsbedingungen:
Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil
Lagerungspuffer:
PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.
 Aliquotieren ist nicht notwendig bei -20°C Lagerung

*** 20ul-Größen enthalten 0.1% BSA

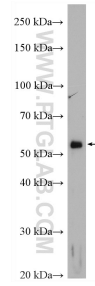
For technical support and original validation data for this product please contact:
 T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
 E: proteintech@ptglab.com
 W: ptglab.com

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

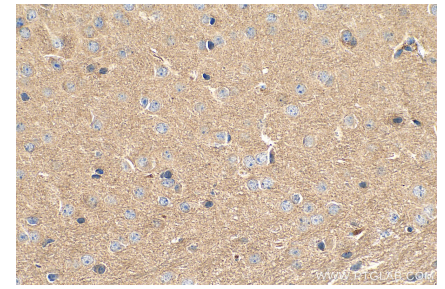
Ausgewählte Validierungsdaten



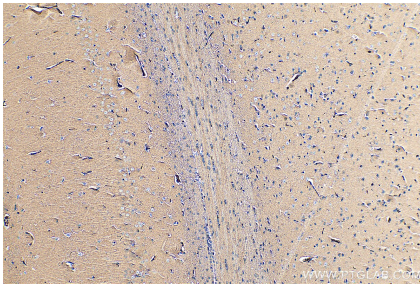
WB result of VMAT2 antibody (20873-1-AP; 1:3000; incubated at room temperature for 1.5 hours) with sh-Control and sh-VMAT2 transfected Jurkat cells.



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).