

## Allgemeine Informationen

<b>Katalog-Nr.:</b> 10135-1-AP	<b>GenBank-Zugangsnummer:</b> BC002737	<b>Reinigungsmethode:</b> Antigen-Affinitätsreinigung
<b>Größe:</b> 150ul, Konzentration: 500 µg/ml von Nanodrop und 287 µg/ml durch die Bradford-Methode mit BSA als Standard;	<b>GeneID (NCBI):</b> 6844	<b>Empfohlene Verdünnungen:</b> WB 1:1000-1:5000 IHC 1:50-1:500
<b>Wirt:</b> Kaninchen	<b>Vollständiger Name:</b> vesicle-associated membrane protein 2 (synaptobrevin 2)	
<b>Isotyp:</b> IgG	<b>Berechnete Masse:</b> 13 kDa	
<b>Immunogen Katalognummer:</b> AG0179	<b>Beobachtete Masse:</b> 19 kDa	

## Anwendungen

<b>Geprüfte Anwendungen:</b> IHC, WB, ELISA	<b>Positivkontrollen:</b> WB : Maushirngewebe, fetales humanes Hirngewebe, Rattenhirngewebe IHC : Maushirngewebe, humanes Skelettmuskelgewebe
<b>In Publikationen genannte Anwendungen:</b> Blocking, IF, IHC, WB	
<b>Getestete Reaktivität:</b> Human, Maus, Ratte	
<b>Zitierte Arten:</b> Human, Maus, Ratte	
<b>Hinweis-IHC: Antigendemaskierung mit TE-Puffer pH 9,0 empfohlen. (*) Wahlweise kann die Antigendemaskierung auch mit Citratpuffer pH 6,0 erfolgen.</b>	

## Hintergrundinformationen

VAMP2 (vesicle-associated membrane protein 2), also named as synaptobrevin 2, is a member of the SNARE (soluble NSF-attachment protein receptor) family proteins. Characterized by a common sequence called the SNARE motif, SNARE proteins are involved in membrane fusion and vesicular transport (PMID: 11252968). VAMP2, with a molecular mass of 15-19 kDa, consists of a short N-terminal sequence, a SNARE motif, and a C-terminal transmembrane region. It is required for fast calcium-triggered synaptic vesicle fusion. VAMP2 forms a stable complex with STX1 (syntaxin 1) and SNAP25 (synaptosomal-associated protein 25) during synaptic vesicle fusion (PMID: 16793874). It also forms a distinct complex with synaptophysin. VAMP2 is expressed in nervous system and some non-neuronal tissues, such as skeletal muscle (PMID: 18570252).

## Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Chengfeng Merriman	31591269	J Biol Chem	WB
Hugo Ramos	34944588	Biomedicines	WB,IF
Zi-Jun Wang	34007043	Neuropsychopharmacology	WB

## Lagerung

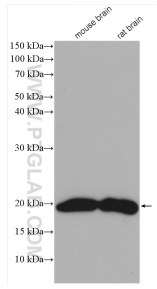
**Lagerungsbedingungen:**  
Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil  
**Lagerungspuffer:**  
PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.  
 Aliquotieren ist nicht notwendig bei -20°C Lagerung

\*\*\* 20ul-Größen enthalten 0.1% BSA

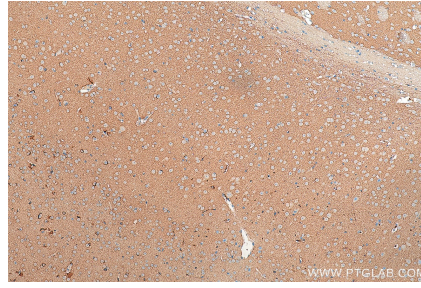
For technical support and original validation data for this product please contact:  
 T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
 E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
 W: [ptglab.com](http://ptglab.com)

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

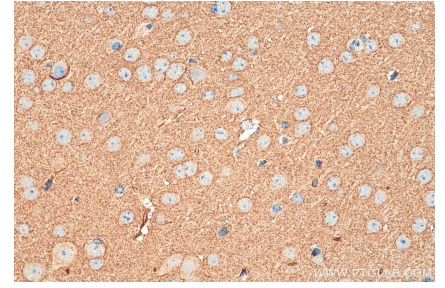
## Ausgewählte Validierungsdaten



Various lysates were subjected to SDS PAGE followed by western blot with 10135-1-AP (VAMP2 antibody) at dilution of 1:2500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 10135-1-AP (VAMP2 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 10135-1-AP (VAMP2 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).