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Datasheet for ABIN351329

anti-VPS45 antibody

6 Images

Overview

Quantity:	500 µg
Target:	VPS45
Reactivity:	Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This VPS45 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	A synthetic peptide from rat VPS45A conjugated to an immunogenic carrier protein was used as the antigen. The peptide is homologous with the corresponding sequence in mouse.
Isotype:	IgG
Specificity:	Specific for VPS45.
Cross-Reactivity:	Mouse, Rat
Cross-Reactivity (Details):	Other species not yet tested.
Purification:	IgG

Target Details

Target:	VPS45
Alternative Name:	VPS45A (VPS45 Products)

Target Details

Background: FUNCTION: May play a role in vesicle-mediated protein trafficking from the Golgi stack through the trans-Golgi network. SUBUNIT: Interacts with STX6 and ZFYVE20. SUBCELLULAR LOCATION: Golgi apparatus membrane, Peripheral membrane protein. Endosome membrane, Peripheral membrane protein. Note: Associated with Golgi/endosomal vesicles and the trans-Golgi network. TISSUE SPECIFICITY: Ubiquitous, expression was highest in testis and in brain. Detected in every part of the brain.,Vesicle Protein Sorting,Vps45, VPS45, rvps45, Vps45a

UniProt: [O08700](#)

Pathways: [Transition Metal Ion Homeostasis](#), [Synaptic Vesicle Exocytosis](#)

Application Details

Application Notes: IHC, WB. A concentration of 10-50 µg/ml is recommended. The optimal concentration should be determined by the end user.

Restrictions: For Research Use only

Handling

Format: Lyophilized

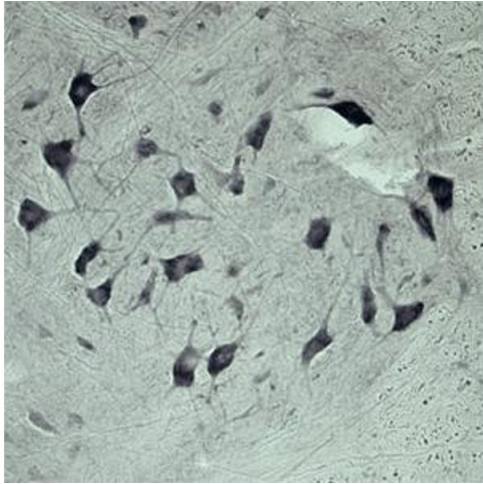
Reconstitution: Reconstitute in 500 µL of sterile water. Centrifuge to remove any insoluble material.

Handling Advice: Avoid freeze and thaw cycles.

Storage: 4 °C/-20 °C

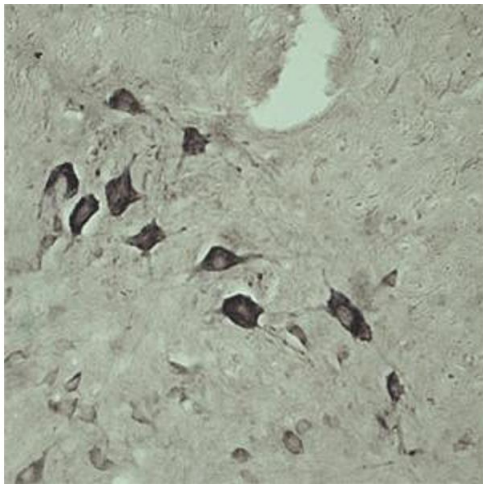
Storage Comment: Maintain the lyophilised/reconstituted antibodies frozen at -20°C for long term storage and refrigerated at 2-8°C for a shorter term. When reconstituting, glycerol (1:1) may be added for an additional stability. Avoid freeze and thaw cycles.

Expiry Date: 12 months



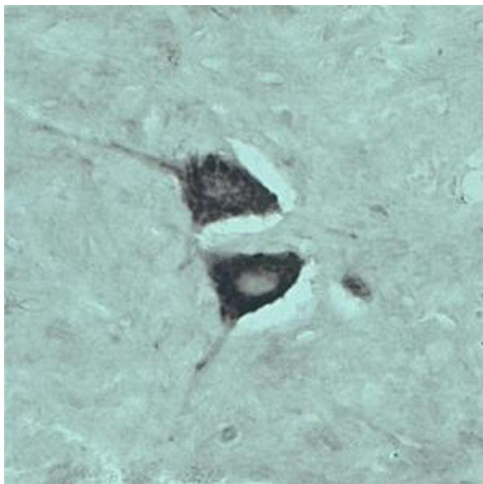
Immunohistochemistry

Image 1. IHC on rat spinal cord using Rabbit antibody to internal part of Vacuolar protein sorting-associated protein 45 (rvps45, Vps45, Vps45a): IgG (ABIN351329) at a concentration of 10 µg/ml. Pre-absorption of the antibody with the immunising peptide completely abolishes the immunostaining (not shown).



Immunohistochemistry

Image 2. IHC on rat spinal cord using Rabbit antibody to internal part of Vacuolar protein sorting-associated protein 45 (rvps45, Vps45, Vps45a): IgG (ABIN351329) at a concentration of 10 µg/ml. Pre-absorption of the antibody with the immunising peptide completely abolishes the immunostaining (not shown).



Immunohistochemistry

Image 3. IHC on rat spinal cord using Rabbit antibody to internal part of Vacuolar protein sorting-associated protein 45 (rvps45, Vps45, Vps45a): IgG (ABIN351329) at a concentration of 10 µg/ml. Pre-absorption of the antibody with the immunising peptide completely abolishes the immunostaining (not shown).

Please check the [product details page](#) for more images. Overall 6 images are available for ABIN351329.