

Datasheet: VMA00920

BATCH NUMBER 100005663

Description:	MOUSE ANTI VPS26A
Specificity:	VPS26A
Format:	Purified
Product Type:	PrecisionAb Monoclonal
Clone:	AB03/1G5
Isotype:	IgG2b
Quantity:	100 µl

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Western Blotting	▪			1/1000

The PrecisionAb label is reserved for antibodies that meet the defined performance criteria within Bio-Rad's ongoing antibody validation programme. Click [here](#) to learn how we validate our PrecisionAb range. Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Further optimization may be required dependent on sample type.

Target Species

Human

Species Cross Reactivity

Reacts with: Mouse, Rat

N.B. Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.

Product Form

Purified IgG - Liquid

Preparation

Mouse monoclonal antibody affinity purified on Protein G from tissue culture supernatant

Buffer Solution

Phosphate buffered saline

Preservative

0.09% Sodium Azide

Stabilisers

Approx. Protein Concentrations IgG concentration 1.0 mg/ml

Immunogen *E. coli*-derived recombinant protein of amino acids 1-327 of human VPS26A

External Database Links

UniProt:

[O75436](#) [Related reagents](#)

Entrez Gene:

[9559](#) VPS26A [Related reagents](#)

Synonyms VPS26

Fusion Partners Spleen cells from immunised BALB/c mice were fused with cells of the mouse SP2/0 myeloma cell line

Specificity **Mouse anti VPS26A antibody** recognizes vacuolar protein sorting-associated protein 26A, also known as VPS26.

VPS26A interacts with VPS35 and VPS29 and to form the retromer complex, involved in recycling proteins via retrograde transport from endosomes to the trans-Golgi network ([Lucas et al. 2016](#)). In mammals, the ortholog of VPS26A is VPS26B, and the exact role of each within the retromer complex is yet to be eluded. Correct retromer function is important for neuronal health, and defects appear to contribute to pathogenesis of Parkinson's Disease and Alzheimer's Disease ([Reitz 2017](#)). VPS26A also appears to be involved with regulating the stemness of embryonic stem cells during neurogenesis ([Choi et al. 2018](#)).

Western Blotting Mouse anti VPS26A detects a band of approximately 37 kDa in K562 cell lysates

Storage Store undiluted at -20°C, avoiding repeated freeze thaw cycles

Guarantee 12 months from date of despatch

Acknowledgements PrecisionAb is a trademark of Bio-Rad Laboratories

Health And Safety Information Material Safety Datasheet documentation #10040 available at: <https://www.bio-rad-antibodies.com/SDS/VMA00920> Antibody (10040)

Regulatory For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG (H/L) (STAR207...) [HRP](#)

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To
find a

batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets

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