

Datasheet: AHP1683

BATCH NUMBER 146899

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| Description: | GOAT ANTI HUMAN RAB8A (C-TERMINAL) |
| Specificity: | RAB8A (C-TERMINAL) |
| Other names: | c-mel |
| Format: | Purified |
| Product Type: | Polyclonal Antibody |
| Isotype: | Polyclonal IgG |
| Quantity: | 0.1 mg |

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 |
|----------------------------|-----|----|----------------|--------------------|
| Flow Cytometry | | | ▪ | |
| Immunohistology - Frozen | | | ▪ | |
| Immunohistology - Paraffin | | | ▪ | |
| ELISA | ▪ | | | 1/32000 |
| Immunoprecipitation | | | ▪ | |
| Western Blotting | ▪ | | | 0.1 - 0.3ug/ml |

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

Target Species

Human

Species Cross Reactivity

Based on sequence similarity, is expected to react with: Dog, Bovine

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

Antiserum Preparation

Antiserum to human RAB8A (CT) was raised by repeated immunisation of goats with highly purified antigen. Purified IgG was prepared by affinity chromatography.

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| Buffer Solution | TRIS buffered saline |
| Preservative | 0.02% Sodium Azide (NaN ₃) |
| Stabilisers | 0.5% Bovine Serum Albumin |
| Approx. Protein Concentrations | IgG concentration 0.5mg/ml |
| Immunogen | Peptide sequence C-NQGVKITPDQQKR from the C-Terminal region of RAB8A (NP_005361.2). |
| External Database Links | <p>UniProt: P61006 Related reagents</p> <p>Entrez Gene: 4218 RAB8A Related reagents</p> |
| Synonyms | MEL, RAB8 |
| RRID | AB_2175309 |
| Specificity | <p>Goat anti Human RAB8A antibody recognizes an epitope within the C-terminal (CT) region of the human RAS superfamily member Rab8a (Ras-related protein Rab-8A), otherwise known as oncogene c-mel, Rab8A is a small monomeric GTP/GDP-binding protein with a predicted molecular weight of ~24 kDa which may play a role in vesicular trafficking and neurotransmitter release.</p> <p>The Rab family of proteins, originally described as <u>Ras</u>-like proteins in brain are the largest group of GTPases within the Ras superfamily with 61 protein members identified. Rab family members are involved in the regulation of intracellular vesicular transport and movement of proteins between endocytic and secretory organelles (Wennerberg et al. 2005). Rab8A is involved in vesicular traffic between the trans golgi network and the basoleteral aspect of the plasma membrane (Huber et al. 1993).</p> <p>Goat anti human Rab8a antibody has been successfully used for the detection of Rab8a in human intestinal epithelial cells using western blotting (Vacca et al. 2014).</p> |
| Western Blotting | AHP1683 detects a band of approximately 25kDa in human cerebellum and kidney cell lysates |
| References | 1. Vacca, B. <i>et al.</i> (2014) Drebrin E depletion in human intestinal epithelial cells mimics Rab8a loss of function. Hum Mol Genet. 23 (11): 2834-46. |
| Storage | <p>Store at +4°C or at -20°C if preferred.</p> <p>Storage in frost-free freezers is not recommended.</p> <p>This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.</p> |

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| Guarantee | 12 months from date of despatch |
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| Health And Safety Information | Material Safety Datasheet documentation #10058 available at: https://www.bio-rad-antibodies.com/SDS/AHP1683 10058 |
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| Regulatory | For research purposes only |
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Related Products

Recommended Secondary Antibodies

Rabbit Anti Goat IgG (Fc) (STAR122...) [FITC](#), [HRP](#)

North & South Tel: +1 800 265 7376

America Fax: +1 919 878 3751

Email: antibody_sales_us@bio-rad.com

Worldwide

Tel: +44 (0)1865 852 700

Fax: +44 (0)1865 852 739

Email: antibody_sales_uk@bio-rad.com

Europe

Tel: +49 (0) 89 8090 95 21

Fax: +49 (0) 89 8090 95 50

Email: antibody_sales_de@bio-rad.com

To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://www.bio-rad-antibodies.com/datasheets)

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