

Datasheet: AHP1683

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.
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.

Buffer Solution	TRIS buffered saline
Preservative Stabilisers	0.02% Sodium Azide (NaN ₃) 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**

UniProt:

[P61006](#) [Related reagents](#)

Entrez Gene:

[4218](#) RAB8A [Related reagents](#)

Synonyms

MEL, RAB8

Specificity

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.

The Rab family of proteins, originally described as Ras-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 basolateral aspect of the plasma membrane ([Huber *et al.* 1993](#)).

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](#)).

Western Blotting

AHP1683 detects a band of approximately 25kDa in human cerebellum and kidney cell lysates

References

1. Vacca, B. *et al.* (2014) Drebrin E depletion in human intestinal epithelial cells mimics Rab8a loss of function. [Hum Mol Genet. 23 \(11\): 2834-46.](#)

Storage

Store at +4°C or at -20°C if preferred.
Storage in frost-free freezers is not recommended.
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.

Shelf Life

18 months from date of despatch.

**Health And Safety
Information**

Material Safety Datasheet documentation #10058 available at:
10058: <https://www.bio-rad-antibodies.com/uploads/MSDS/10058.pdf>

Regulatory

For research purposes only

Related Products

Recommended Secondary Antibodies

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

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