

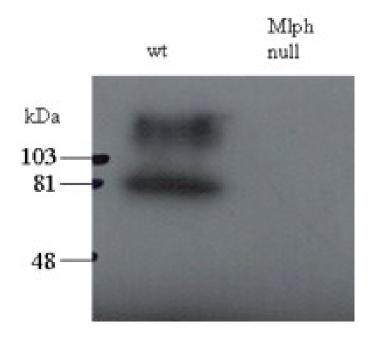


Telephone: (650) 697-3600

## **GOAT ANTI-MELANOPHILIN (MOUSE) ANTIBODY**

**SKU:** EB05444

e erest



## **SPECIFICATIONS**

Formulation Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.

**Unit Size** 

Storage

Storage Aliquot and store at -20  $^{\circ}\text{C}.$  Minimize freezing and thawing. Instructions

Synonym /

Alias Names Usage Summary

<strong>Immunofluorescence:</strong> Successfully used at 0.5ug/ml to stain mouse melanocytes. This antibody has been successfully used in IF on Mouse: Figueiredo AC et al., J Biol Chem. 2008 Aug 22;283(34):23209-16. PMID:18559336.<br/> <strong>GST-pull down assay:</strong> See publication Figueiredo AC et al., J Biol Chem. 2008 Aug 22;283(34):23209-16.

(PMID:18559336).

Accession

NP 443748.2

ID

**Blocking Peptide** 

EBP05444

Immunogen Peptide with sequence C-ARHIFAKPVMAQQP, from the C Terminus of the protein sequence according to NP\_443748.2.

Peptide Sequence

C-ARHIFAKPVMAOOP





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Purification Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing

Method

Shipping

Mouse, Rat

Mouse

Instructions Refrigerated

**Predicted** 

Species

Reactive Species

Mouse

171531 Gene ID **Rat Gene ID** 316620

**Product** 

https://prod-vector-labs-pimcore-assets.s3.us-east-1.amazonaws.com/assets/products/image/elite plus medium.png

Grade **ELISA** 

**Detection** Limit

Antibody detection limit dilution 1:32000.

Western

Blot

Approx 80 kDa band observed in Mouse Melanocyte extracts. Recommended for use at 0.5-2ug/ml. Please note that this product may require overnight incubation of primary and high protein loads. This antibody has been successfully used in WB on Mouse: Sanzà Pet al (PMID: 30898842), Singh RK et al (PMID: 23281710), Figueiredo AC et al (PMID: 18559336), Hume AN et al (PMID:

16914517) and Kunli Zhao et al (PMID: 36803984).

Application

Type

Pep-ELISA, WB, ICC, IF, GST-pull down

## **SELECTED REFERENCES**

[{"pmid": 23281710, "intro": "This antibody has been successfully used in WB on Mouse:", "title": "Distinct and opposing roles for Rab27a/Mlph/MyoVa and Rab27b/Munc13-4 in mast cell secretion.", "author": "Singh RK, Mizuno K, Wasmeier C, Wavre-Shapton ST, Recchi C, Catz SD, Futter C, Tolmachova T, Hume AN, Seabra MC.", "journal": "FEBS J. 2013\r\nFeb;280(3):892-903."}, {"pmid": 30898842, "intro": "This antibody has been successfully used in WB on Mouse:", "title": "Nucleotide exchange factor Rab3GEP requires DENN and non-DENN elements for activation and targeting of Rab27a", "author": "Sanzà P, Evans RD, Briggs DA, Cantero M, Montoliu L, Patel S, Sviderskaya EV, Itzen A, Figueiredo AC, Seabra MC, Hume AN", "journal": "J Cell Sci. 2019 Mar 21. pii: jcs.212035. "}, {"pmid": 18559336, "intro": "This antibody has been successfully used in WB, IF and GST pulldown assay:", "title": "Rab3GEP Is the Non-redundant Guanine Nucleotide Exchange Factor for Rab27a in Melanocytes.", "author": "Figueiredo AC, Wasmeier C, Tarafder AK, Ramalho JS, Baron RA, Seabra MC.", "journal": "J Biol Chem. 2008 Aug 22;283(34):23209-16."}, {"pmid": 36803984, "intro": "This antibody has been successfully used in WB on Mouse:", "title": "Functional hierarchy among different Rab27 effectors involved in secretory granule exocytosis.", "author": "Kunli Zhao, Kohichi Matsunaga, Kouichi Mizuno, Hao Wang, Katsuhide Okunishi, Tetsuro Izumi", "journal": "Elife. 2023 Feb 21;12:e82821."}, {"pmid": 16914517, "intro": "This antibody has been successfully used in WB on Mouse:", "title": "A coiled-coil domain of melanophilin is essential for Myosin Va recruitment and melanosome transport in melanocytes.", "author": "Hume AN, Tarafder AK, Ramalho JS, Sviderskaya EV, Seabra MC.", "journal": "Mol Biol Cell. 2006 Nov;17(11):4720-35."}]





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## **GALLERY IMAGES**

