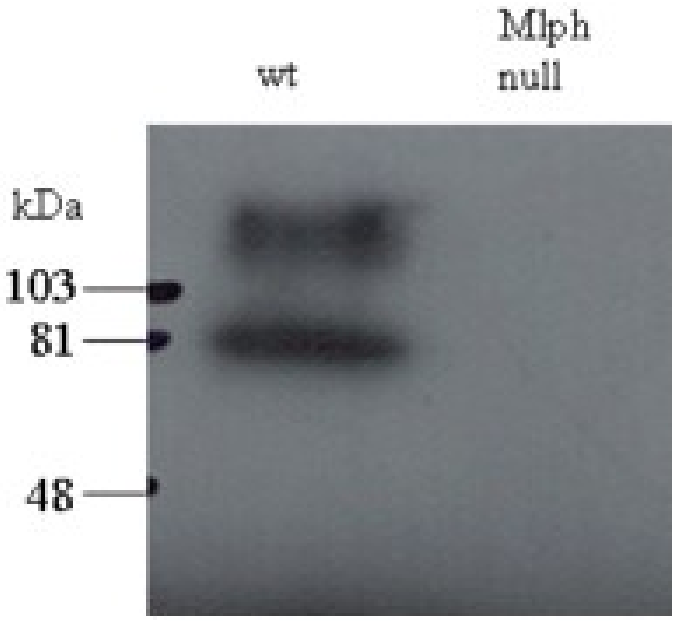
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GOAT ANTI-MELANOPHILIN (MOUSE) ANTIBODY

SKU: EB05444



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	100 µg
Storage Instructions	Aliquot and store at -20°C. Minimize freezing and thawing.
Synonym / Alias Names	OTTMUSP00000025451|AW228792|leaden|5031433I09Rik|l(1)-3Rk|D1Wsu84e|Slac-2a|l1Rk3|ln|Mlph|melanophilin|2210418F23Rik
Usage Summary	Immunofluorescence: 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. GST-pull down assay: See publication Figueiredo AC et al., J Biol Chem. 2008 Aug 22;283(34):23209-16. (PMID:18559336).
Accession ID	NP_443748.2
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-ARHIFAKPVMAQQP

Purification Method	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Shipping Instructions	Refrigerated
Predicted Species	Mouse, Rat
Reactive Species	Mouse
Mouse Gene ID	171531
Rat Gene ID	316620
Product Grade	https://prod-vector-labs-pimcore-assets.s3.us-east-1.amazonaws.com/assets/products/image/elite_plus_medium.png
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 pull-down 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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DOCUMENTS

- Data Sheet

GALLERY IMAGES

