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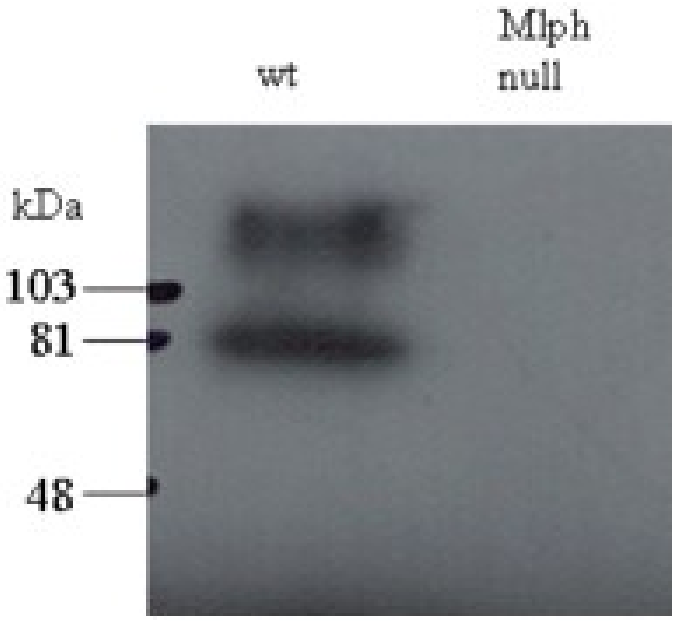
# GOAT ANTI-MELANOPHILIN (MOUSE) ANTIBODY

**SKU:** EB05444




## SPECIFICATIONS

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|---|---|
| **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.<br> 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 |

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|---|---|
| **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