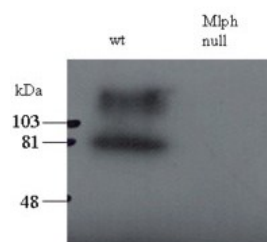


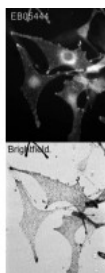


Melanophilin Antibody

CATALOG NUMBER: 45-882



Western Blot staining (0.5ug/ml) of total melanocyte PNS (200ug per lane) of wild-type and leaden (Mlph null) mice. The upper band may represent the stacking-separating gel interface. Data kindly provided by A N Hume, Imperial College.



Wild-type C57bl6 derived melanocytes were stained with antibody (0.5ug/ml) and detected with Alexa568 conjugated donkey anti-sheep second antibodies. Brightfield image shows melanosome distribution. Data kindly provided by A N Hume, Imperial College.

Specifications

SPECIES REACTIVITY:	Mouse
TESTED APPLICATIONS:	ELISA, GST, ICC, IF, WB
APPLICATIONS:	ELISA: 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. Immunofluorescence: Successfully used at 0.5ug/ml to stain mouse melanocytes, see picture. See also publication Figueiredo AC et al., J Biol Chem. 2008 Aug 22;283(34):23209-16. (PMID:18559336). GST-pull down assay: Se
IMMUNOGEN:	Melanophilin antibody was raised against a 14 amino acid synthetic peptide near the C-Terminus of Melanophilin.
HOST SPECIES:	Goat

Properties

PURIFICATION:	Melanophilin antibody was purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
PHYSICAL STATE:	Liquid
BUFFER:	Melanophilin antibody is supplied in Tris saline, 0.02% sodium azide, pH 7.3 with 0.5% bovine serum albumin.
CONCENTRATION:	500 ug/mL
STORAGE CONDITIONS:	Aliquot and store at -20°C. Minimize freezing and thawing.
CLONALITY:	Polyclonal
CONJUGATE:	Unconjugated

Additional Info

ALTERNATE NAMES:	Mlph, melanophilin, ln, l1Rk3, Slac-2a, D1Wsu84e, l(1)-3Rk, 2210418F23Rik, 5031433I09Rik, leaden, Ln, Slac2a
ACCESSION NO.:	NP_443748

PROTEIN GI NO.:	87080831
OFFICIAL SYMBOL:	Mlph
GENE ID:	171531 (mouse); 316620 (rat);

Background

REFERENCES: 1) Matesic LE, Yip R, Reuss AE, Swing DA, O'Sullivan TN, Fletcher CF, Copeland NG, Jenkins NA. Mutations in Mlph, encoding a member of the Rab effector family, cause the melanosome transport defects observed in leaden mice. Proc Natl Acad Sci USA. 2001 Aug 28;98(18):10238-43.

FOR RESEARCH USE ONLY

December 13, 2016