

Product Datasheet

Melanophilin Antibody NB300-943

Unit Size: 0.1 mg

Store at -20C. Avoid freeze-thaw cycles.

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NB300-943**Melanophilin Antibody****Product Information**

Unit Size	0.1 mg
Concentration	0.5 mg/ml
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	Tris saline (20 mM Tris pH 7.3, 150 mM NaCl), 0.5% BSA

Product Description

Description	Novus Biologicals Goat Melanophilin Antibody (NB300-943) is a polyclonal antibody validated for use in WB, ELISA and ICC/IF. Anti-Melanophilin Antibody: Cited in 3 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Goat
Gene ID	79083
Gene Symbol	MLPH
Species	Mouse
Immunogen	Peptide with sequence C-ARHIFAKPVMAQQP corresponding to C-Terminus according to Uniprot Mouse NP_443748.2.

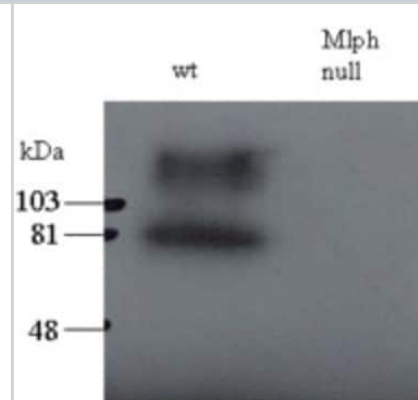
Product Application Details

Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Peptide ELISA
Recommended Dilutions	Western Blot 0.5 - 2 ug/mL, Immunocytochemistry/ Immunofluorescence 0.5 ug/mL, Peptide ELISA Detection limit 1:32000
Application Notes	IF successful usage for stained mouse melanocytes is reported in scientific literature (PMID: 18559336). GST-pull down assay usage is reported in scientific literature (PMID: 18559336). WB: Approx. 80 kDa band observed in mouse Melanocyte extracts. Please note that this product may require overnight incubation of primary and high protein loads.

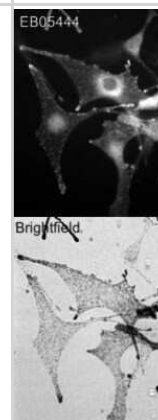


Images

Western Blot: Melanophilin Antibody [NB300-943] - Staining (0.5 ug/mL) of total melanocyte PNS (200 ug per lane) of wild-type and leaden (Mlph null) mice. The upper band may be the stacking-separating gel interface. Data kindly provided by A N Hume, Imperial College



Immunocytochemistry/Immunofluorescence: Melanophilin Antibody [NB300-943] - Wild-type C57bl6 derived melanocytes were stained with (0.5 ug/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.



Publications

Zhao K, Matsunaga K, Mizuno K, Wang H et al. Functional hierarchy among different Rab27 effectors involved in secretory granule exocytosis *Elife* 2023-02-21 [PMID: 36803984]

Matesic LE, Yip R, Reuss AE et al. Mutations in Mlph, encoding a member of the Rab effector family, cause the melanosome transport defects observed in leaden mice. *Proc Natl Acad Sci U S A* 2001-08-28 [PMID: 11504925]

Figueiredo AC, Wasmeier C, Tarafder AK et al. Rab3GEP is the non-redundant guanine nucleotide exchange factor for Rab27a in melanocytes. *J Biol Chem* 2008-08-01 [PMID: 18559336]



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Products Related to NB300-943

NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF017	Rabbit anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
HAF109	Donkey anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
NB410-28088-1mg	Goat IgG Isotype Control

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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