Product Datasheet

MITF Antibody (C5) - BSA Free
NB110-10872

Unit Size: 0.05 mg

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

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Publications: 2

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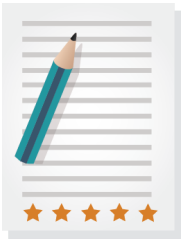

NB110-10872

MITF Antibody (C5) - BSA Free

Product Information

Unit Size	0.05 mg
Concentration	1.0 mg/ml
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	C5
Preservative	0.08% Sodium Azide
Isotype	IgG1
Purity	Protein G purified
Buffer	PBS
Target Molecular Weight	52-56 kDa

Product Description

Description	Novus Biologicals Mouse MITF Antibody (C5) - BSA Free (NB110-10872) is a monoclonal antibody validated for use in IHC, WB and IP. Anti-MITF Antibody: Cited in 2 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	4286
Gene Symbol	MITF
Species	Human, Mouse, Rat
Reactivity Notes	Please note that this antibody is reactive to Mouse and derived from the same host, Mouse. Additional Mouse on Mouse blocking steps may be required for IHC and ICC experiments. Please contact Technical Support for more information.
Specificity/Sensitivity	Microphthalmia (C5) this antibody recognizes the 52/56 kD band and not the longer 60-70 kD proteins. Mouse monoclonal clone C5 anti-Microphthalmia antibody recognizes serine phosphorylated and non-phosphorylated melanocytic isoforms of microphthalmia from human, mouse or rat.
Immunogen	N-terminal fragment of human microphthalmia protein.

Product Application Details

Applications	Western Blot, Immunohistochemistry-Paraffin, Immunohistochemistry, Immunoprecipitation
Recommended Dilutions	Western Blot 1:500, Immunohistochemistry 1:10-1:500, Immunoprecipitation 2 ug/mg protein lysate, Immunohistochemistry-Paraffin 1 ug/ml
Application Notes	IHC-P: Antigen retrieval is not essential but may optimise staining. WB: Detects a band of approximately 52-56 kDa. The antibody recognizes serine phosphorylated and non-phosphorylated melanocytic isoforms of microphthalmia.

Publications

Emmons MF, Bennett RL, Riva A et al. HDAC8-mediated inhibition of EP300 drives a transcriptional state that increases melanoma brain metastasis Nature communications 2023-11-29 [PMID: 38030596] (WB, Human)

Xu Z, Li Y, Wang D et al. Mutated SASH1 promotes Mitf expression in a heterozygous mutated SASH1 knock in mouse model Int. J. Mol. Med. 2020-06-19 [PMID: 32582980] (WB, IF/IHC, Mouse)

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Products Related to NB110-10872

NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)

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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