Product Datasheet

MITF Antibody (C5/D5) - IHC-Prediluted
NBP2-48263

Unit Size: 7 ml

Store at 4C.

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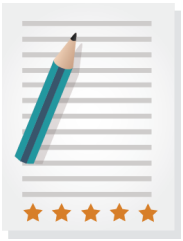


NBP2-48263

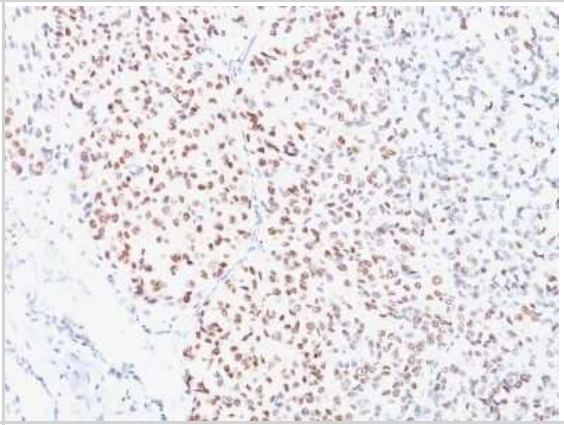
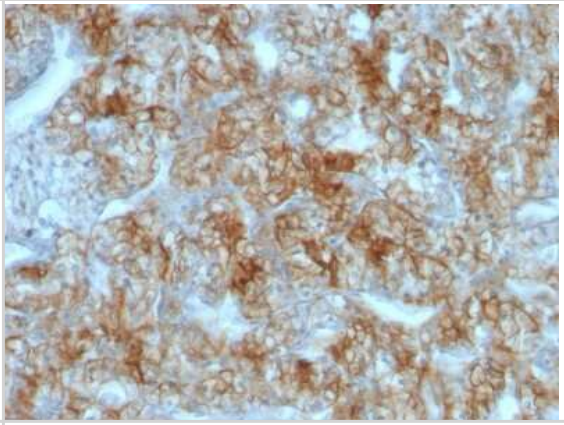
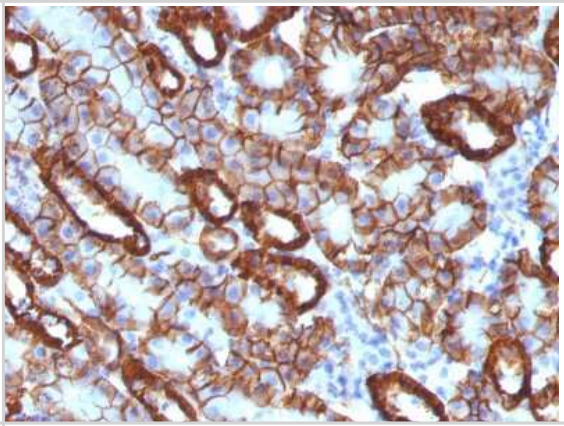
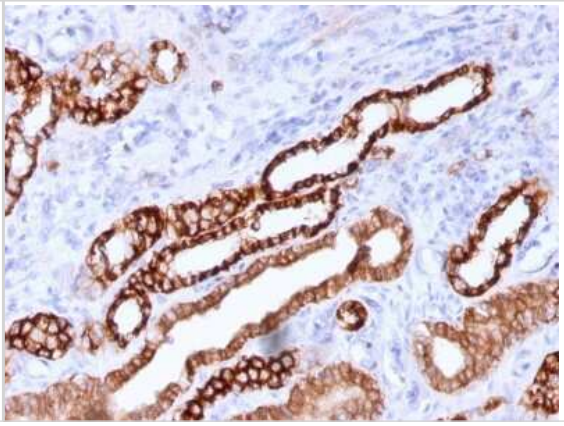
MITF Antibody (C5/D5) - IHC-Prediluted

Product Information	
Unit Size	7 ml
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C.
Clonality	Monoclonal
Clone	C5/D5
Preservative	0.05% Sodium Azide
Isotype	IgG1 Kappa
Purity	Protein A or G purified
Buffer	10 mM PBS with 0.05% BSA

Product Description	
Description	The prediluted antibody does not require any mixing, dilution, reconstitution, or titration; the antibody is ready-to-use and optimized for staining.
Host	Mouse
Gene ID	4286
Gene Symbol	MITF
Species	Human, Mouse (Negative), Rat (Negative)
Reactivity Notes	Does not react with Mouse and Rat.
Specificity/Sensitivity	MITF (microphthalmia transcription factor) is a basic helix-loop-helix-leucine-zipper (bHLH-Zip) transcription factor that regulates the development and survival of melanocytes and retinal pigment epithelium, and also is involved in transcription of pigmentation enzyme genes such as tyrosinase TRP1 and TRP2. MITF has been shown to be phosphorylated by MAP kinase in response to c-kit activation, resulting in upregulation of MITF transcriptional activity. Mutations of the MITF gene are associated with the autosomal dominant hereditary deafness and pigmentation condition, Waardenburg Syndrome type 2A. Multiple isoforms of MITF exist, including MITF-A, MITF-B, MITF-C, MITF-H, and MITF-M, which differ in the amino-terminal domain and in their expression patterns. The MITF-M isoform is restricted to the melanocyte cell lineage. Anti-MITF, D5, recognizes a nuclear protein, which is expressed in the majority of primary and metastatic epithelioid malignant melanomas as well as in normal melanocytes, benign nevi and dysplastic nevi.
Immunogen	NH2 terminus fragment of human MITF (Uniprot: O75030)

Product Application Details	
Applications	Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Immunohistochemistry, Immunohistochemistry-Paraffin
Application Notes	Hu-chromosome location: 3p14.1 Molecular weight of antigen: 52-56kDa (doublet) Immunohistochemistry-Paraffin 0.5 - 1.0 ug/ml for 30 minutes at RT; Staining of formalin-fixed tissues requires boiling tissue sections in 10mM citrate buffer, pH 6.0, for 10 - 20 min followed by cooling at RT for 20 minutes. The 7mL size is a pre-diluted size and no additional dilutions are required before using this item for the intended application.

Images

Immunohistochemistry-Paraffin: MITF Antibody (C5/D5) - IHC-Prediluted [NBP2-48263] - Human Melanoma stained with MITF Monoclonal Antibody (D5).	
Immunohistochemistry-Paraffin: MITF Antibody (C5/D5) - IHC-Prediluted [NBP2-48263] - Formalin-fixed, paraffin-embedded human Renal Cell Carcinoma stained with KSP-Cadherin Mouse Monoclonal Antibody (CDH16/1071).	
Immunohistochemistry-Paraffin: MITF Antibody (C5/D5) - IHC-Prediluted [NBP2-48263] - Formalin-fixed, paraffin-embedded Mouse Kidney stained with KSP-Cadherin Mouse Monoclonal Antibody (CDH16/1071).	
Immunohistochemistry-Paraffin: MITF Antibody (C5/D5) - IHC-Prediluted [NBP2-48263] - Formalin-fixed, paraffin-embedded human Kidney stained with KSP-Cadherin Mouse Monoclonal Antibody (CDH16/1071).	

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Products Related to NBP2-48263

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-43319-0.5mg	Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1)
NBP1-88618PEP	MITF Recombinant Protein Antigen

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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