

Product Datasheet

MITF Antibody - BSA Free NBP1-88618

Unit Size: 0.1 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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Publications: 2

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NBP1-88618

MITF Antibody - BSA Free

Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Affinity purified
Buffer	PBS (pH 7.2) and 40% Glycerol

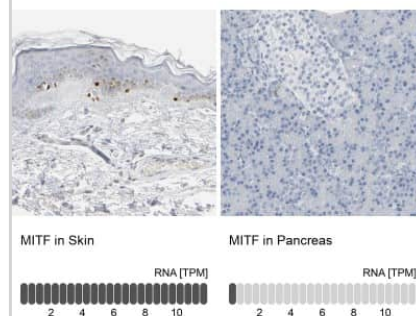
Product Description	
Description	Novus Biologicals Rabbit MITF Antibody - BSA Free (NBP1-88618) is a polyclonal antibody validated for use in IHC and WB. Anti-MITF Antibody: Cited in 2 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	4286
Gene Symbol	MITF
Species	Human
Reactivity Notes	Immunogen displays the following percentage of sequence identity for non-tested species: Mouse (88%), Rat (87).
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: HLLLRIQELEMQARAHGLSLIPSTGLCSPDLVNRIIKQEPVLENCSDLLQHHAD LTCTTTDLTDGTITFNNNLGTGTEANQAYSVPKMGSKLEDILMDDTLSPVGV TDPLLSSVSPGASKTSSRRSSMSMEETEHT

Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunohistochemistry, Chromatin Immunoprecipitation-exo-Seq
Recommended Dilutions	Western Blot 0.04 - 0.4 ug/ml, Immunohistochemistry 1:500 - 1:1000, Immunohistochemistry-Paraffin 1:500-1:1000, Chromatin Immunoprecipitation-exo-Seq 1-10ug per reaction
Application Notes	ChIP reported in scientific literature (PMID: 24443471). For IHC-Paraffin, HIER pH 6 retrieval is recommended.

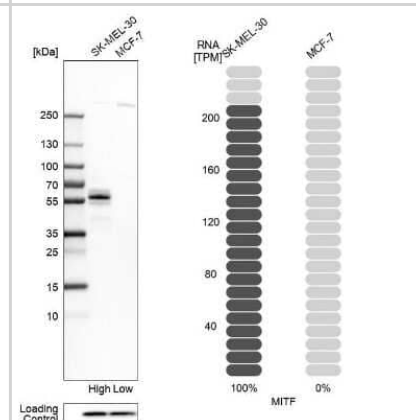


Images

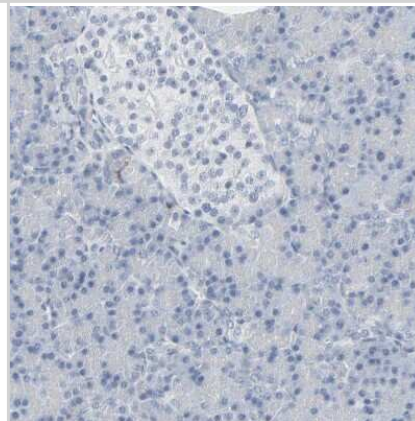
Immunohistochemistry-Paraffin: MITF Antibody [NBP1-88618] - Analysis in human skin and pancreas tissues using NBP1-88618 antibody. Corresponding MITF RNA-seq data are presented for the same tissues.



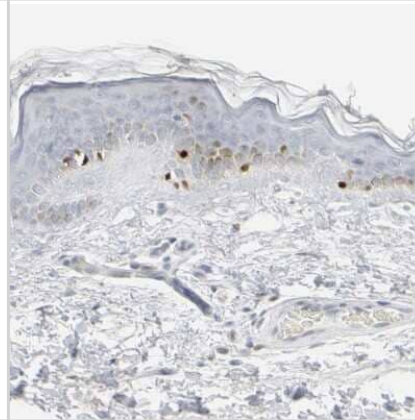
Western Blot: MITF Antibody [NBP1-88618] - Analysis in human cell lines SK-MEL-30 and MCF-7 using anti-MITF antibody. Corresponding MITF RNA-seq data are presented for the same cell lines. Loading control: anti-PFN1.



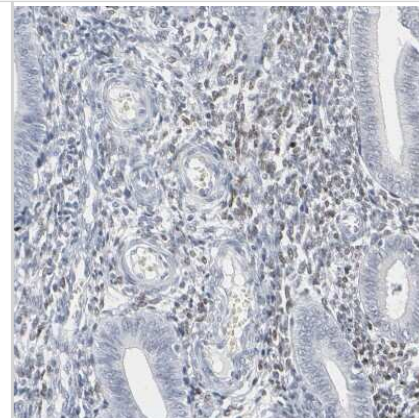
Immunohistochemistry-Paraffin: MITF Antibody [NBP1-88618] - Staining of human pancreas shows no positivity in exocrine glandular cells as expected.



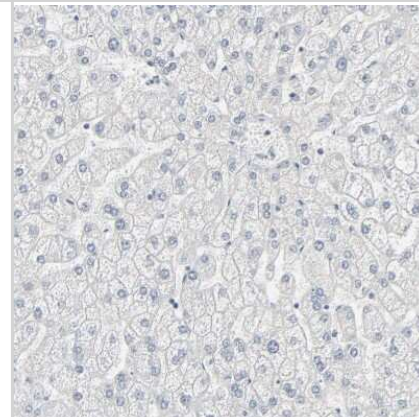
Immunohistochemistry-Paraffin: MITF Antibody [NBP1-88618] - Staining of human skin shows moderate to strong nuclear positivity in melanocytes.



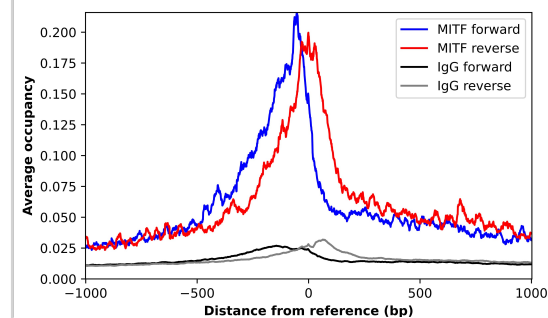
Immunohistochemistry-Paraffin: MITF Antibody [NBP1-88618] - Staining of human endometrium shows moderate nuclear positivity in cells in endometrial stroma.



Immunohistochemistry-Paraffin: MITF Antibody [NBP1-88618] - Staining of human liver shows no positivity in hepatocytes as expected.



ChIP-Exo-Seq composite graph for Anti-MITF (NBP1-88618) tested in K562 cells. Strand-specific reads (blue: forward, red: reverse) and IgG controls (black: forward, grey: reverse) are plotted against the distance from a composite set of reference binding sites. The antibody exhibits robust target enrichment compared to a non-specific IgG control and precisely reveals its structural organization around the binding site. Data generated by Prof. B. F. Pugh's Lab at Cornell University.



Publications

Riesenberg S, Groetchen A, Siddaway R et al. MITF and c-Jun antagonism interconnects melanoma dedifferentiation with pro-inflammatory cytokine responsiveness and myeloid cell recruitment. *Nat Commun* 2015-11-04 [PMID: 26530832] (WB, Human)

Webster DE, Barajas B, Bussat RT et al. Enhancer-targeted genome editing selectively blocks innate resistance to oncokinase inhibition. *Genome Res* 2014-05-01 [PMID: 24443471] (Chemotaxis, Human)



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Products Related to NBP1-88618

NBP1-88618PEP	MITF Recombinant Protein Antigen
NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit 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.

For more information on our 100% guarantee, please visit www.novusbio.com/guarantee

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