BOSTER BIOLOGICAL TECHNOLOGY
3942 B Valley Ave, Pleasanton, CA 94566
888-466-3604 | support@bosterbio.com | www.bosterbio.com

Anti-MITF Antibody

Catalog Number: M00269-3

About MITF

Transcription factor that regulates the expression of genes with essential roles in cell differentiation, proliferation and survival. Binds to symmetrical DNA sequences (E-boxes) (5'- CACGTG-3') found in the promoters of target genes, such as BCL2 and tyrosinase (TYR). Plays an important role in melanocyte development by regulating the expression of tyrosinase (TYR) and tyrosinase-related protein 1 (TYRP1). Plays a critical role in the differentiation of various cell types, such as neural crest- derived melanocytes, mast cells, osteoclasts and optic cup-derived retinal pigment epithelium.

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Overview

Product Name	Anti-MITF Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-MITF Antibody (Catalog # M00269-3). Tested in WB application(s). This antibody reacts with Human, Mouse, Rat.
Application	WB
Clonality	Monoclonal 1607CT834.207.47
Formulation	Purified monoclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.
Storage Instructions	Maintain refrigerated at 2-8°C for up to 2 weeks. For long-term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.
Host	Mouse
Uniprot ID	O75030

Technical Details

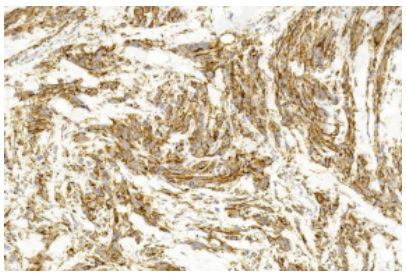
Immunogen	This MITF antibody is generated from a mouse immunized with a recombinant protein of human MITF.
Predicted Reactive Species	Human, Mouse, Rat
Isotype	IgG1,k

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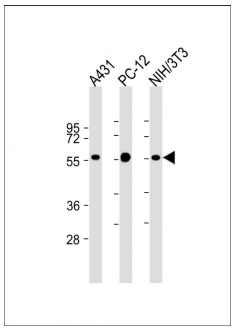
Purification	This antibody is purified through a protein G column, followed by dialysis against PBS.
Suggested Dilutions	IHC: 1:1000 WB: 1:2000 Tested Species: In-house tested species with positive results. Other applications have not been tested. Optimal dilutions should be determined by end users.

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Anti-MITF Antibody (M00269-3) Images



Immunohistochemical analysis of paraffin-embedded Human Melanoma section using Pink1. M00269-3 was diluted at 1:1000 dilution. A undiluted biotinylated goat polyvalent antibody was used as the secondary, followed by DAB staining.



All lanes : Anti-MITF Antibody at 1:2000 dilutionLane 1: A431 whole cell lysateLane 2: PC-12 whole cell lysateLane 3: NIH/3T3 whole cell lysateLysates/proteins at 20 µg per lane. SecondaryGoat Anti-mouse IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 59 kDaBlocking/Dilution buffer: 5% NFDM/TBST.

Anti-MITF Antibody

For Research Use Only. Not for use in diagnostic procedures.