
Product Name: MITF Mouse Monoclonal Antibody**Catalog #: AMM86015**

For research use only.

Summary

Description	Mouse monoclonal Antibody
Host	Mouse
Application	WB,IHC
Reactivity	Human, Mouse, Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG1
Clonality	Monoclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Purified antibody in PBS with 0.05% sodium azide.
Purification	Affinity Purification

Application

Dilution Ratio	WB 1:1000-1:2000,IHC 1:500-1:2000
Molecular Weight	58.8kDa

Antigen Information

Gene Name	MITF
Alternative Names	Microphthalmia-associated transcription factor, Class E basic helix-loop-helix protein 32, bHLHe32, MITF, BHLHE32
Gene ID	4286.0
SwissProt ID	O75030
Immunogen	This MITF antibody is generated from a mouse immunized with a recombinant protein of human MITF.

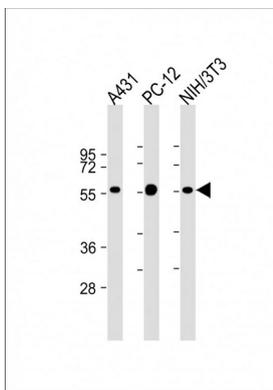
Background

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.

Research Area

Image Data



All lanes : Anti-MITF Antibody at 1:2000 dilution