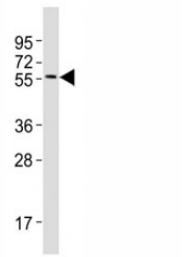
MITF Antibody (F41536)

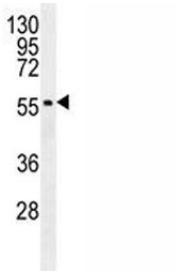
Catalog No.	Formulation	Size
F41536-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F41536-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

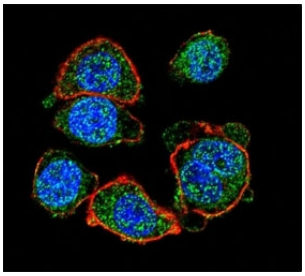
Availability	1-3 business days
Species Reactivity	Human
Predicted Reactivity	Mouse
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity
UniProt	O75030
Applications	Western Blot : 1:1000-2000 Immunofluorescence : 1:10-1:50 Flow Cytometry : 1:10-1:50
Limitations	This MITF antibody is available for research use only.



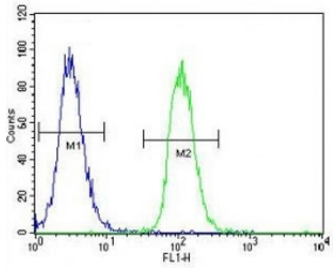
Western blot testing of MITF antibody at 1:2000 dilution + A375 lysate; Predicted molecular weight: 55-60 kDa.



MITF antibody western blot analysis in K562 lysate. Predicted molecular weight: 55-60 kDa.



Confocal immunofluorescent analysis of MITF antibody with HeLa cells followed by Alexa Fluor 488-conjugated goat anti-rabbit lgG (green). Actin filaments have been labeled with Alexa Fluor 555 Phalloidin (red). DAPI was used as a nuclear counterstain (blue).



MITF antibody flow cytometric analysis of K562 cells (right histogram) compared to a negative control (left histogram)

Description

This gene encodes a transcription factor that contains both basic helix-loop-helix and leucine zipper structural features. It regulates the differentiation and development of melanocytes retinal pigment epithelium and is also responsible for pigment cell-specific transcription of the melanogenesis enzyme genes. Heterozygous mutations in the this gene cause auditory-pigmentary syndromes, such as Waardenburg syndrome type 2 and Tietz syndrome. Alternatively spliced transcript variants encoding different isoforms have been identified.

Application Notes

Titration of the MITF antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 1-28 from the human protein was used as the immunogen for this MITF antibody.

Storage

Aliquot the MITF antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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