

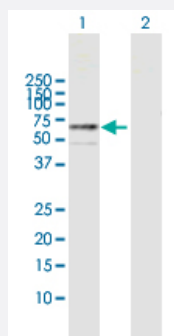
MaxPab®

MITF MaxPab rabbit polyclonal antibody (D01)

Catalog # H00004286-D01

Size 100 uL

Applications

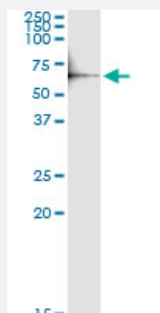


Western Blot (Transfected lysate)

Western Blot analysis of MITF expression in transfected 293T cell line ([H00004286-T01](#)) by MITF MaxPab polyclonal antibody.

Lane 1: MITF transfected lysate(58.20 KDa).

Lane 2: Non-transfected lysate.



Immunoprecipitation

Immunoprecipitation of MITF transfected lysate using anti-MITF MaxPab rabbit polyclonal antibody and Protein A Magnetic Bead, and immunoblotted with MITF purified MaxPab mouse polyclonal antibody (B01P) ([H00004286-B01P](#)).

Specification

Product Description

Rabbit polyclonal antibody raised against a full-length human MITF protein.

Immunogen

MITF (NP_937802.1, 1 a.a. ~ 520 a.a) full-length human protein.

Sequence

MQSESGVPDFEVGEEFHPEPKTYELKSQPLKSSSSAEHPGASKPPISSSSMTSRILLRQQLMR
EQMQEQERREQQQKLQAAQFMQQRVPVSQTPAINVSVPTTLPSATQVPMEVLKVQTHLENPTKY
HIQQAQRQQVKQYLSTTLANKHANQVLSLPCPNQPGDHVMPPVPGSSAPNSPMAMLTLSNCE
KEGFYKFEEQNRAESECPGMNTHSRASCMQMDVIDDIISLESSYNEEILGLMDPALQMANTLPV
SGNLIDLYGNQGLPPPGLTISNSCPANLPNIKRELTESEARALAKERQKKDNHNLIERRRRFNINDRI
KELGTLIPKSNPDMDRWNGTILKASVDYIRKLQREQQRAKELENRQKKLEHANRHLLLRQIELEM
QARAHGLSLIPSTGLCSPDLVNRHKKQEPVLENCSDQLLQHHADLTCTTLDLTDGTITFNNNLGTGT
EANQAYSVPTKMGSKLEDILMDDTLSPVGVTDPLLSSVSPGASKTSSRRSSMSMEETEHTC

Host	Rabbit
Reactivity	Human
Interspecies Antigen Sequence	Mouse (93); Rat (93)
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	No additive
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

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[Protocol Download](#)

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[Protocol Download](#)

Gene Info — MITF

Entrez GeneID	4286
GeneBank Accession#	NM_198159.1
Protein Accession#	NP_937802.1
Gene Name	MITF
Gene Alias	MI, WS2A, bHLHe32
Gene Description	microphthalmia-associated transcription factor
Omim ID	103470 103500 156845 193510
Gene Ontology	Hyperlink

Gene Summary

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. [provided by RefSeq]

Other Designations

OTTHUMP00000195123|OTTHUMP00000195140|homolog of mouse microphthalmia

Pathway

- [Melanogenesis](#)
- [Melanoma](#)
- [Pathways in cancer](#)

Disease

- [Genetic Predisposition to Disease](#)
- [Lymphoma](#)
- [Malignant melanoma](#)
- [Melanoma](#)
- [Neoplasm Metastasis](#)
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- [Retinal Diseases](#)
- [Skin Neoplasms](#)
- [Tobacco Use Disorder](#)