

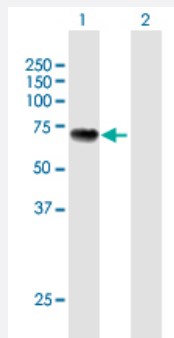
MaxPab®

MITF purified MaxPab mouse polyclonal antibody (B01P)

Catalog # H00004286-B01P

Size 50 ug

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 (57.2 kDa).

Lane 2: Non-transfected lysate.

Specification

Product Description	Mouse 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 HIQQAQRQQVKQYLSTTLANKHANQVLSLPCPNQPGDHVMPVPGSSAPNSPMAMLTLSNCE KEGFYKFEEQNRAESEC PGMNTHSRASCMQMDDVIDDIISLESSYNEEILGLMDPALQMANTLPV SGNLIDL YGNQGLPPPGLTISNSCPANLPNIKREL TESEARALAKERQKKDNHNLIERRRRFNINDRI KELGTLIPKSNPD MRWNKGTLKASVDYIRKLQREQQRAKELENRQKKLEHANRHLLLRIQELEM QARAHGLSLIPSTGLCSPDLVNRIKQEPVLENC SQDLLQHHADLTCTTTDLTDGTITFNNNLGTGT EANQAYSVPTKMGSKLEDILMDDTLSPVGVTDPDLLSSVSPGASKTSSRRSSMSMEETEHTC
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (93); Rat (93)
Quality Control Testing	Antibody reactive against mammalian transfected lysate.

Storage Buffer

In 1x PBS, pH 7.4

Storage Instruction

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

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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](#)
- [Osteoporosis](#)
- [Retinal Diseases](#)
- [Skin Neoplasms](#)
- [Tobacco Use Disorder](#)