

MITF polyclonal antibody

Catalog # PAB27110 Size 100 uL

Applications



Western Blot (Cell lysate)

Western blot analysis of COS-7 cell lysate with MITF polyclonal antibody (Cat # PAB27110).

Specification

Product Description Rabbit polyclonal antibody raised against synthetic peptide of MITF.

Immunogen A synthetic peptide corresponding to human MITF.

Host Rabbit

Theoretical MW (kDa) 52

Reactivity Human, Mouse

Specificity MITF polyclonal antibody detects endogenous levels of MITF protein.

Form Liquid

Purification Antigen affinity purification

Concentration 1 mg/mL

Recommend Usage Western Blot (1:500-1:1000)
Immunohistochemistry (1:50-1:200)
Immunofluorescence (1:50-1:200)
The optimal working dilution should be determined by the end user.

Storage Buffer	In PBS, pH 7.2 (0.05% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

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- Immunohistochemistry

- Immunofluorescence

Gene Info — MITF

Entrez GeneID	4286
Protein Accession#	O75030
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

Publication Reference

- [An inhibitory mechanism of action of a novel syringic-acid derivative on \$\alpha\$ -melanocyte-stimulating hormone \(\$\alpha\$ -MSH\)-induced melanogenesis.](#)

Jeong YJ, Lee JY, Park J, Park SN.

Life Sciences 2017 Dec; 191:52.

Application: WB-Ce, Mouse, B16F1 cells

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](#)