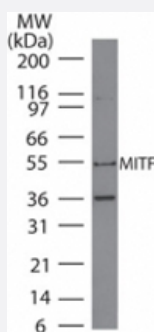


MITF monoclonal antibody, clone 21D1418

Catalog # MAB0103 Size 100 ug

Applications



Western Blot (Cell lysate)

Western blot analysis of MITF in A-375 lysate. Using MITF monoclonal antibody, clone 21D1418 (Cat # MAB0103) at 4 ug/mL .

Specification

Product Description	Mouse monoclonal antibody raised against synthetic peptide of MITF.
Immunogen	A synthetic peptide corresponding to amino acids 301-312 of human MITF.
Sequence	PSTGLCSPDLVN
Host	Mouse
Reactivity	Human, Mouse, Rat
Form	Liquid
Isotype	IgG1
Recommend Usage	The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.05% BSA, 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.

Applications

- Western Blot (Cell lysate)

Western blot analysis of MITF in A-375 lysate. Using MITF monoclonal antibody, clone 21D1418 (Cat # MAB0103) at 4 ug/mL .

Gene Info — MITF

Entrez GeneID	4286
Protein Accession#	2022321A
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](#)