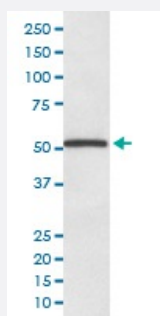


MITF monoclonal antibody, clone AOED-13

Catalog # MAB20186 Size 100 uL

Applications



Western Blot (Cell lysate)

Western blot analysis of A375 cell lysate with MITF monoclonal antibody.

Specification

Product Description	Rabbit monoclonal antibody raised against synthetic peptide of human MITF.
Immunogen	A synthetic peptide corresponding to human MITF.
Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	Affinity purification
Isotype	IgG
Recommend Usage	Western Blot (1:500-1:2000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage Instruction	Store at -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time. 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 A375 cell lysate with MITF monoclonal antibody.

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

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](#)