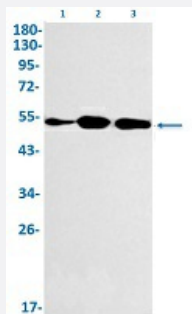


RecomAb™

MITF recombinant monoclonal antibody, clone R06-4B5

Catalog # RAB02104 Size 100 uL

Applications



Western Blot

Western Blot analysis of Lane 1: Hela, Lane 2: CHO-K1 and Lane 3: Jurkat lysates with MITF recombinant monoclonal antibody, clone R06-4B5 (Cat # RAB02104).

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human MITF.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against recombinant protein corresponding to human MITF.
Theoretical MW (kDa)	Calculated MW: 59 kD
Reactivity	Hamster, Human
Form	Liquid
Purification	Affinity purification
Isotype	IgG
Recommend Usage	Western Blot (1:500-1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In 50 mM Tris-Glycine, pH 7.4 (0.15 M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA)

Storage Instruction

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

Western Blot analysis of Lane 1: Hela, Lane 2: CHO-K1 and Lane 3: Jurkat lysates with MITF recombinant monoclonal antibody, clone R06-4B5 (Cat # RAB02104).

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](#)