

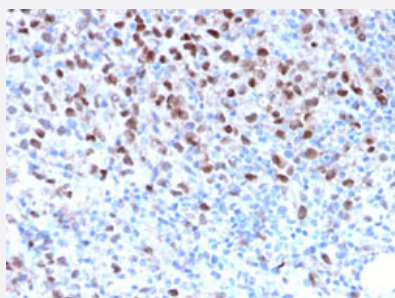
RecomAb™

MITF recombinant monoclonal antibody, clone MITF/2987R

Catalog # RAB00578

Size 100 ug

Applications



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining of human melanoma.

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against full length human MITF.
Antibody Species	Rabbit
Immunogen	Recombinant protein corresponding to full-length human MITF.
Reactivity	Dog, Human
Form	Liquid
Purification	Protein A/G purification
Isotype	IgG
Recommend Usage	Flow Cytometry (0.5-1 ug/million cells) Immunofluorescence (0.5-1 ug/mL) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (0.5-1 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In 1 mg/mL PBS
Storage Instruction	Store at -20 to -80°C.

Applications

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)
Immunohistochemical staining of human melanoma.
- Immunofluorescence
- Flow Cytometry

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](#)