

## Recombinant MiTF Monoclonal Antibody

catalog number: **AN301081L**

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

### Description

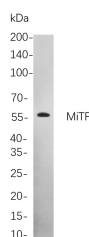
<b>Reactivity</b>	Human;Mouse;Rat
<b>Immunogen</b>	Recombinant Human MiTF protein
<b>Host</b>	Rabbit
<b>Isotype</b>	IgG, $\kappa$
<b>Clone</b>	2C7
<b>Purification</b>	Protein A
<b>Buffer</b>	PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant.

### Applications

### Recommended Dilution

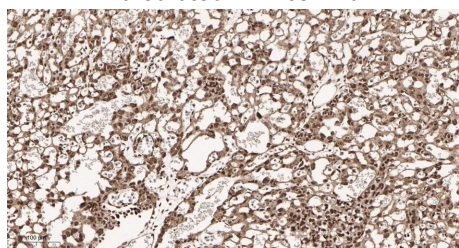
<b>IHC</b>	1:200-500
<b>WB</b>	1:1000-5000

### Data

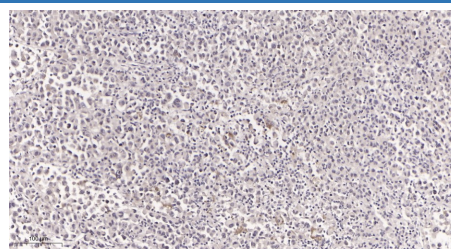


Western Blot with Recombinant MiTF Monoclonal Antibody at dilution of 1:1000 dilution. Lane A: A375 cells.

**Observed-MW:58 kDa**  
**Calculated-MW:58 kDa**



Immunohistochemistry of paraffin-embedded mouse placenta tissue using Recombinant MiTF Monoclonal Antibody at dilution of 1:200.



Immunohistochemistry of paraffin-embedded human melanoma tissue using Recombinant MiTF Monoclonal Antibody at dilution of 1:200.

### Preparation & Storage

<b>Storage</b>	Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.
<b>Shipping</b>	Ice bag

### Background

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.

### For Research Use Only

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Rev. V1.0