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Product datasheet for AP01837PU-N

MITF pSer180 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	**Western blot:** 1/500-1/1000. **Immunohistochemistry on Paraffin Sections:** 1/50-1/200.
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Synthetic phosphopeptide derived from human MITF around the phosphorylation site of Serine 180.
Specificity:	This antibody detects endogenous levels of MITF protein only when phosphorylated at Serine 180.
Formulation:	Phosphate buffered saline (PBS), pH~7.2 containing 0.05% Sodium Azide as preservative. State: Aff - Purified State: Liquid purified Ig fraction (> 95% pure by SDS-PAGE).
Concentration:	1.0 mg/ml
Purification:	Affinity Chromatography using epitope-specific immunogen.
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: One year from despatch.
Predicted Protein Size:	~ 59 kDa
Gene Name:	melanogenesis associated transcription factor
Database Link:	Entrez Gene 4286 Human O75030

View online »

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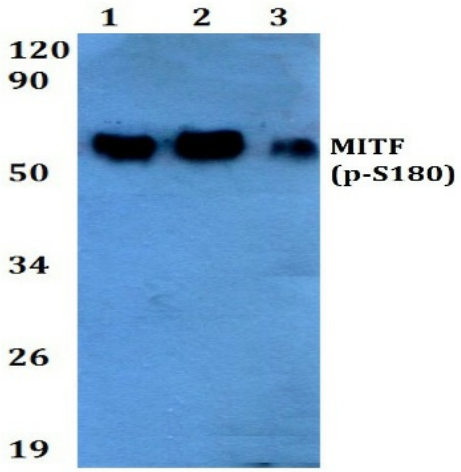
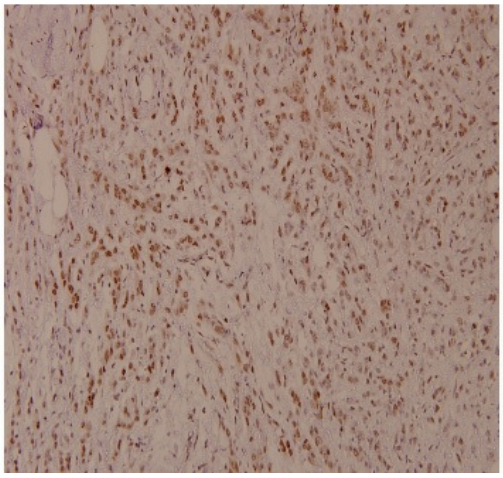
Background: MITF is a transcription factor that contains both basic helix-loop-helix and leucine zipper structural features. Plays a critical role in the differentiation of various cell types including neural crest- derived melanocytes, mast cells, osteoclasts and optic cup-derived retinal pigment epithelium. Two isoforms are known: the M-isoform is expressed exclusively in melanocytes, while the A-isoform has a much broader range of expression. Mutations in MITF can lead to Waardenburg syndrome. Ten alternatively spliced isoforms have been described.

Synonyms: Microphthalmia-associated transcription factor, Mi-protein

Product images:



Western blot (WB) analysis of MITF of p-MITF Antibody at 1/500 dilution. Lane 1: HEK293T cell lysate. Lane 2: Raw264.7 cell lysate. Lane 3: PC12 cell lysate.



Immunohistochemistry (IHC) analyzes of p-MITF Antibody (pSer180) in paraffin-embedded human breast carcinoma tissue at 1/100.

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