

Phospho-MITF (Ser180) Ab

[References\(5\)](#) [Images\(13\)](#)

Cat.#: AF3027
 Size:

Concn.: ~1mg/ml
 Source: Rabbit

Mol.Wt.: 50~80kDa
 Clonality: Polyclonal

Application: WB 1:500-1:2000, IHC 1:50-1:200, IF/ICC 1:100-1:500

*The optimal dilutions should be determined by the end user.
 Reactivity: Human,Mouse,Rat,Monkey

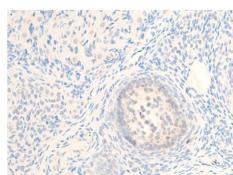
Storage: Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at -20 °C. Stable for 12 months from date of receipt.

Purification: The Ab is from purified rabbit serum by affinity purification via sequential chromatography on phospho-peptide and non-phospho-peptide affinity columns.

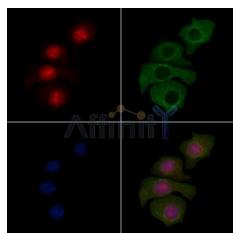
Immunogen: A synthesized peptide derived from human MITF around the phosphorylation site of Ser180.

Uniprot: O75030

Description: 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.



AF3027 at 1/100 staining rat ovarian tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the Ab for 1.5 hours at 22°C. An HRP conjugated goat anti-rabbit Ab was used as the secondary Ab.



AF3027 staining HepG2 cells(4h of LPS treatment) by IF/ICC. The samples were fixed with PFA and permeabilized in 0.1% Triton X-100,then blocked in 10% serum for 45 minutes at 25°C. Samples were then incubated with primary Ab(AF3027 1:200) and mouse anti-beta tubulin Ab(T0023 1:200) for 1 hour at 37°C. An AlexaFluor594 conjugated goat anti-rabbit IgG(H+L) Ab(Red) and an AlexaFluor488 conjugated goat anti-mouse IgG(H+L) Ab(Green) were used as the secondary Ab.

The nuclear counter stain is DAPI(blue).

IMPORTANT: For western blot, incubate membrane with diluted primary Ab in 5% w/v milk , 1X TBS, 0.1% Tween®20 at 4°C with gentle shaking,



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