

## MITF (G174) polyclonal antibody

Catalog: BS1550

Host: Rabbit

Reactivity: Human,Rat,Mouse

### BackGround:

Transcription factor that regulates the expression of genes with essential roles in cell differentiation, proliferation and survival. Binds to M-boxes (5'-TCATGTG-3') and symmetrical DNA sequences (E-boxes) (5'-CACGTG-3') found in the promoters of target genes, such as BCL2 and tyrosinase (TYR). Plays an important role in melanocyte development by regulating the expression of tyrosinase (TYR) and tyrosinase-related protein 1 (TYRP1). Plays a critical role in the differentiation of various cell types, such as neural crest-derived melanocytes, mast cells, osteoclasts and optic cup-derived retinal pigment epithelium.

### Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2.

### Molecular Weight:

~ 60-75 kDa

### Swiss-Prot:

O75030

### Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

### Applications:

WB: 1:500~1:2000

IF: 1:100~1:500

### Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

### Specificity:

MITF polyclonal antibody detects endogenous levels of

MITF protein.

### DATA:



Western blot (WB) analysis of MITF polyclonal antibody at 1:1000 dilution

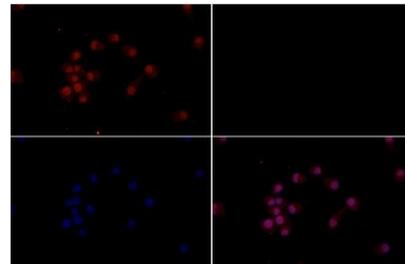
Lane1:The heart tissue lysate of Rat(30ug)

Lane2:The kidney tissue lysate of Mouse(30ug)

Lane3:CT-26 whole cell lysate(30ug)

Lane4:PC12 whole cell lysate(30ug)

Lane5:A2780 whole cell lysate(30ug)



Immunofluorescence analysis of A2780 cells using MITF (G174) pAb at dilution of 1:200 (40x lens).

### Note:

For research use only, not for use in diagnostic procedure.

### Bioworld Technology, Inc.

Add: 1660 South Highway 100, Suite 500 St. Louis Park, MN 55416, USA.

Email: [info@bioworld.com](mailto:info@bioworld.com)

Tel: 6123263284

Fax: 6122933841

### Bioworld technology, co. Ltd.

Add: No 9, weidi road Qixia District Nanjing, 210046, P. R. China.

Email: [info@biogol.com](mailto:info@biogol.com)

Tel: 0086-025-68037686

Fax: 0086-025-68035151