

For Research Use Only

# TFEC Polyclonal antibody

Catalog Number: 13547-1-AP



## Basic Information

**Catalog Number:**

13547-1-AP

**Size:**

450 µg/ml

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG4061

**GenBank Accession Number:**

BC029891

**GeneID (NCBI):**

22797

**UNIPROT ID:**

O14948

**Full Name:**

transcription factor EC

**Calculated MW:**

347 aa, 39 kDa

**Observed MW:**

35-40 kDa, 65 kDa

**Purification Method:**

Antigen affinity purification

**Recommended Dilutions:**

WB 1:500-1:2000

IP 0.5-4.0 µg for 1.0-3.0 mg of total protein lysate

## Applications

**Tested Applications:**

IP, WB, ELISA

**Species Specificity:**

human, mouse, rat

**Positive Controls:**

WB : mouse testis tissue, COLO 320 cells

IP : mouse testis tissue,

## Background Information

The DNA-binding factor TFE3 contains adjacent helix-loop-helix (HLH) and leucine zipper (LZ) domains flanked by an upstream basic region. These protein motifs are frequently observed in other transcription factors and are particularly common to members of the Myc family. TFEC shares a bHLH/LZ structure with TFE3 and a closely related protein microphthalmia-associated transcription factor (MITF), which is critically involved in melanocyte differentiation. The expression of TFEC is mainly in fibroblasts, myoblasts, chondrosarcoma cells and myeloma cells. 50kDa TFEC isoforms are produced by alternative splicing (PMID: 29303964, PMID: 11467950).

## Storage

**Storage:**

Store at -20°C. Stable for one year after shipment.

**Storage Buffer:**

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

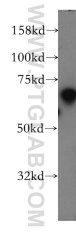
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

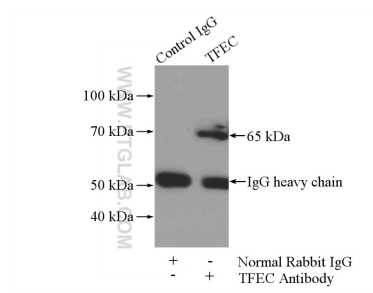
W: [ptgcn.com](http://ptgcn.com)

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## Selected Validation Data



mouse testis tissue were subjected to SDS PAGE followed by western blot with 13547-1-AP (TFEC antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.



IP result of anti-TFEC (IP:13547-1-AP, 4ug; Detection:13547-1-AP 1:500) with mouse testis tissue lysate 4000ug.