

TFEB Rabbit pAb

Catalog No.: A7311SP

22 Publications

Basic Information

Observed MW

65-70 kDa

Calculated MW

44 kDa/53 kDa

Category

Primary antibody

Applications

WB,IP,IF/ICC,IHC-P,ChIP,ELISA

Cross-Reactivity

Human, Mouse, Rat

Background

Enables DNA-binding transcription factor activity; enzyme binding activity; and transcription cis-regulatory region binding activity. Involved in several processes, including cellular response to amino acid starvation; lysosome localization; and positive regulation of autophagy. Located in cytosol; lysosomal membrane; and nucleoplasm.

Recommended Dilutions

WB 1:1000 - 1:2000

IP 0.5 µg - 4 µg antibody for
200 µg - 400 µg extracts of
whole cells

IF/ICC 1:200 - 1:600

IHC-P 1:500 - 1:2000

ChIP 5 µg antibody for 10 µg - 15
µg of Chromatin

ELISA Recommended starting
concentration is 1 µg/mL.
Please optimize the
concentration based on your
specific assay
requirements. For high-ratio
antibody dilutions
(≥1:10000) a sequential
dilution method is strongly
recommended to ensure
measurement accuracy.

Immunogen Information

Gene ID

7942

Swiss Prot

P19484

Immunogen

This information is considered to be commercially sensitive.

Synonyms

TCFEB; BHLHE35; ALPHATFEB; TFEB

Product Information

Source

Rabbit

Isotype

IgG

Purification

Affinity purification

Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS, pH 7.3, containing 50% glycerol. Preserved with Proclin300 or sodium azide.

May contain 0.05% BSA as specified on the Certificate of Analysis.

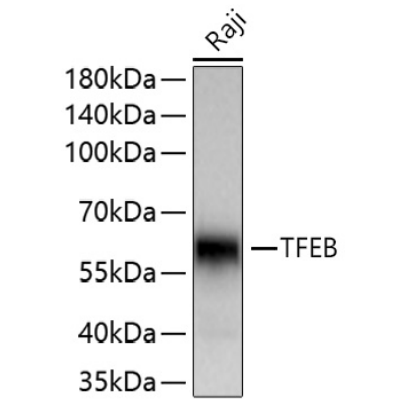
Contact

☎ | 400-999-6126

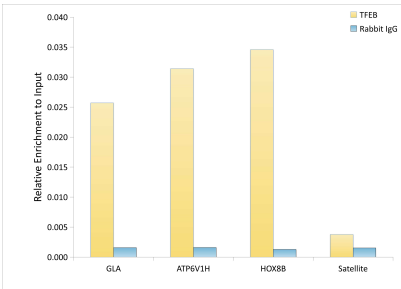
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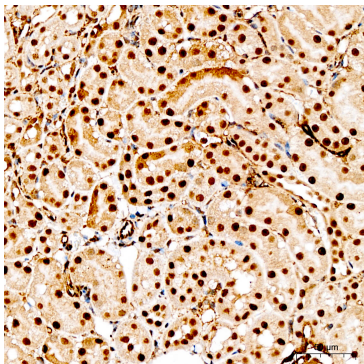
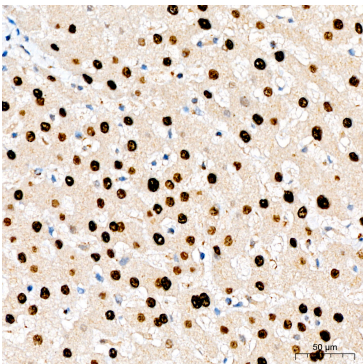
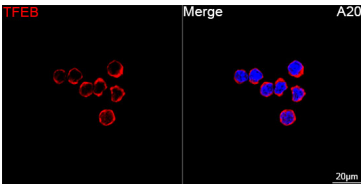
Validation Data



Western blot analysis of lysates from Raji cells using TFEB Rabbit pAb (A7311SP) at 1:1000 dilution incubated overnight at 4°C. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 30 s.



Chromatin immunoprecipitation was performed with 15 µg of cross-linked chromatin from Raji cells were treated with Torin-1 (250 nM, 5 hours), using 5 µg of TFEB Rabbit pAb (A7311SP) and Rabbit IgG isotype control (AC042). The enrichment of immunoprecipitated DNA at different genomic loci was examined by quantitative PCR. The histogram compares the ratio of the immunoprecipitated DNA to the input at given loci.



Confocal imaging of A20 cells using TFEB Rabbit pAb (A7311SP, dilution 1:300) followed by a further incubation with Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 100x.

Immunohistochemistry analysis of paraffin-embedded Human liver tissue using TFEB Rabbit pAb (A7311SP) at a dilution of 1:500 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IHC staining.

Immunohistochemistry analysis of paraffin-embedded Mouse kidney tissue using TFEB Rabbit pAb (A7311SP) at a dilution of 1:500 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IHC staining.