TFEB Rabbit pAb

Catalog NO.: A7311SP **22 Publications**

Basic Information

Observed MW
65-70 kDa

Calculated MW
44 kDa/53 kDa

Category
Polyclonal Antibodies

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

Cross-Reactivity
Human, Mouse, Rat

Conjugation
Unconjugated

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

Contact

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Product Information

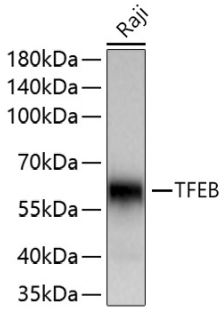
Source
Rabbit

Isotype
IgG

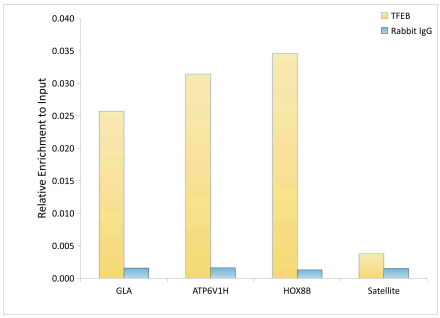
Purification
Affinity purification

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.

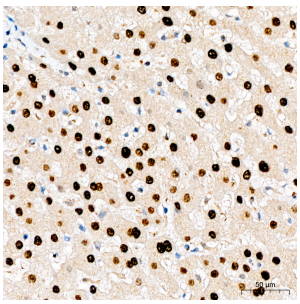
Validation Data

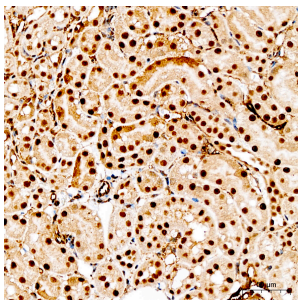


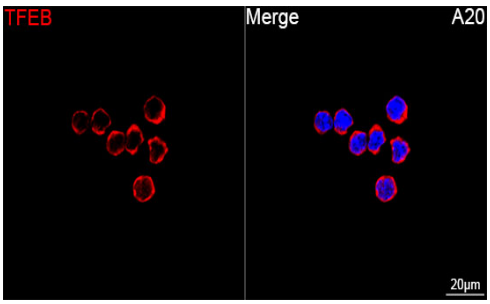
Western blot analysis of lysates from Raji cells using TFEB Rabbit pAb (A7311SP) at 1:1000 dilution incubated overnight at 4°C.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: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







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.

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.