

TFEB Antibody

CATALOG NO.: A2307-50 (50 µl)
A2307-100 (100 µl)

BACKGROUND DESCRIPTION: The T cell transcription factor EB (TFEB) acts as a master regulator of lysosomal biogenesis, autophagy, lysosomal exocytosis, lipid catabolism, energy metabolism, and immune response. In association with TFE3, TFEB activates the expression of CD40L in T cells, thus playing a role in T cell-dependent antibody responses. TFEB is involved in the immune response to infection by Staphylococcus bacteria, possibly by the regulation of cytokine and chemokine expression.

ALTERNATE NAMES: Transcription factor EB; BHLHE35; TCFEB; T-Cell Transcription Factor EB; ALPHATFEB.

ANTIBODY TYPE: Polyclonal

HOST/ISOTYPE: Rabbit / IgG

IMMUNOGEN: Recombinant human TFEB protein

PURIFICATION: Affinity purification

MOLECULAR WEIGHT: 43 kDa / 52 kDa calculated; 70 kDa observed

FORM: Liquid

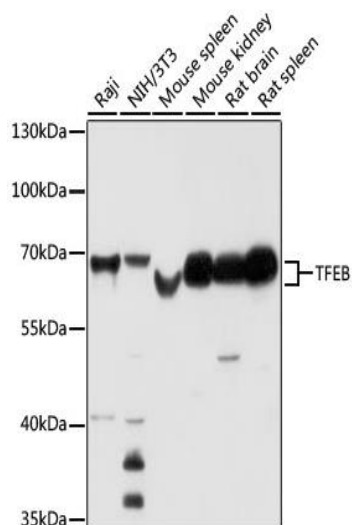
FORMULATION: In PBS with 0.02% sodium azide, 50% glycerol, pH 7.3

SPECIES REACTIVITY: Human, Mouse, Rat

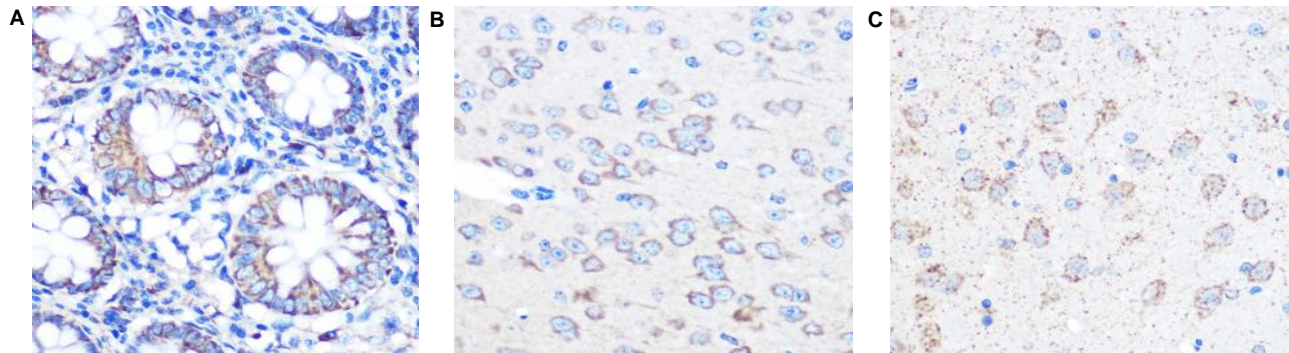
STORAGE CONDITIONS: Store at -20 °C. Avoid repeated freeze-thaw cycles

APPLICATIONS: Western Blot (WB): 1:500 to 1:2000 dilution
Immunohistochemistry (IHC) & Immunofluorescence (IF): 1:50 to 1:200 dilution

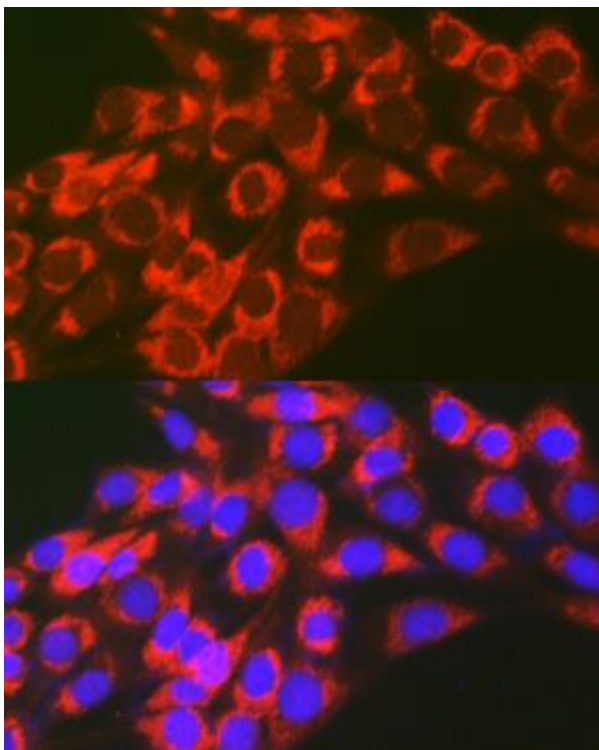
This information is only intended as a guide. The optimal dilutions must be determined by the user



Western blot analysis of various cell line extract samples using TFEB Antibody



Immunohistochemistry of (A) human colon; (B) mouse brain; and (C) rat brain tissue samples using TFEB Antibody



Immunofluorescence image of NIH-3T3 cells using TFEB Antibody

RELATED PRODUCTS:

CD40 Antibody (Cat. No. 3072)
Anti-TFE3 Antibody (Cat. No. A1565)
CD40L Antibody (Cat. No. 5015)
Anti-CD40L (Ruplizumab), Human IgG1 Antibody (Cat. No. A1094)
Nanog Antibody (Cat. No. 3165)

FOR RESEARCH USE ONLY! Not to be used on humans.