

## Recombinant

## TFE3 (BP6180) Rabbit mAb

db30153

Package : 100μL

**Product Name** : TFE3 (BP6180) Rabbit mAb**Cat.No.:** db30153**Synonyms** : TFEA; RCCP2; RCCX1; bHLHe33**Application** : IHC**Reactivity** : Human**Host species** : Rabbit**Background**

Transcription factor that acts as a master regulator of lysosomal biogenesis and immune response. Specifically recognizes and binds E-box sequences; efficient DNA-binding requires dimerization with itself or with another MiT/TFE family member such as TFEB or MITF. Involved in the cellular response to amino acid availability by acting downstream of MTOR: in the presence of nutrients, TFE3 phosphorylation by MTOR promotes its cytosolic retention and subsequent inactivation. Upon starvation or lysosomal stress, inhibition of MTOR induces TFE3 dephosphorylation, resulting in nuclear localization and transcription factor activity.

**Immunogen**

Synthetic peptide was used as an immunogen

**Swiss Prot**

P19532

**Synonyms**

TFEA; RCCP2; RCCX1; bHLHe33

**Reactivity**

Human

**Application**

IHC

**Recommended dilution**

IHC: 1:100-1:200

**Calculated MW**

62 kDa

**Host species**

Rabbit

**Clonality**

Monoclonal

**Clonality No.**

BP6180

**Isotype**

IgG

**Purity**

Affinity Purification

**Conjugation**

Un-conjugated

**Storage Stability**

Store at -20°C. Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium

azide and 0.05% BSA. Stable for 12 months from date of receipt.

- Immunohistochemistry of paraffin-embedded human alveolar soft part sarcoma using TFE3 antibody at dilution of 1:200 (200x lens).