

E2A/TCF3 Rabbit mAb

Catalog No.: A23946 **Recombinant**

Basic Information

Observed MW

75kDa/67-80kDa

Calculated MW

67kDa/68kDa

Category

Primary antibody

Applications

ELISA,WB

Cross-Reactivity

Human, Mouse

CloneNo number

ARC61947

Background

This gene encodes a member of the E protein (class I) family of helix-loop-helix transcription factors. E proteins activate transcription by binding to regulatory E-box sequences on target genes as heterodimers or homodimers, and are inhibited by heterodimerization with inhibitor of DNA-binding (class IV) helix-loop-helix proteins. E proteins play a critical role in lymphopoiesis, and the encoded protein is required for B and T lymphocyte development. Deletion of this gene or diminished activity of the encoded protein may play a role in lymphoid malignancies. This gene is also involved in several chromosomal translocations that are associated with lymphoid malignancies including pre-B-cell acute lymphoblastic leukemia (t(1;19), with PBX1), childhood leukemia (t(19;19), with TFPT) and acute leukemia (t(12;19), with ZNF384). Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene, and a pseudogene of this gene is located on the short arm of chromosome 9.

Recommended Dilutions

WB 1:500 - 1:1000

Immunogen Information

Gene ID

6929

Swiss Prot

P15923

Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 379-525 of human E2A/TCF3[[NP_003191.1](#)].

Synonyms

TCF3; AGM8; E2A; E47; ITF1; TCF-3; VDIR; bHLHb21; transcription factor 3; E2A/TCF3

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

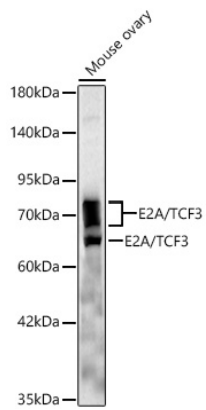
Affinity purification

Storage

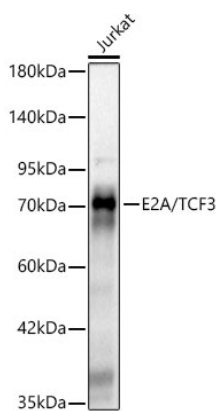
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.05% proclin300,0.05% BSA,50% glycerol,pH7.3.

Validation Data



Western blot analysis of Mouse ovary, using E2A/TCF3 Rabbit mAb (A23946) at 1:1000 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25ug per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 180s.



Western blot analysis of Jurkat, using E2A/TCF3 Rabbit mAb (A23946) at 1:1000 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25ug per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 3s.