

Rabbit anti-Human E2A/TCF3 Monoclonal Antibody | anti-TCF3 antibody

E2A/TCF3 Rabbit mAb

CATALOG # AAA283034	HOST Rabbit	REACTIVITY Human	APPLICATIONS ELISA, Western Blot
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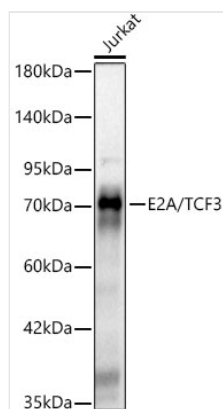
PRODUCT SYNONYMS

E2A/TCF3; Monoclonal Antibody; E2A/TCF3 Rabbit mAb; TCF3; AGM8; E2A; E47; ITF1; TCF-3; VDIR; bHLHb21; transcription factor 3; anti-TCF3 antibody

PRODUCT SPECIFICATIONS

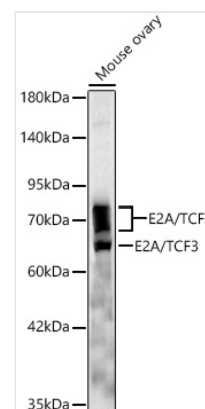
Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.05% proclin300, 0.05% BSA, 50% glycerol, pH7.3.
Sequence	SPSYDGGLHG LQSKIEDHLD EAIHVLRS HA VG TAGDMHTL LPGHGALASG FTGPMSLGGR HAGLVGGSHPE DGLAGSTSL MHNHAALPSQ PGTLPDLSRP PDSYSGLGRA GATAAASEIK REEKEDEENT SAADHSEEEK KELKAPR
Applicable Applications for anti-TCF3 antibody	ELISA, WB (Western Blot)
Cross Reactivity	Human, Mouse
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 379-525 of human E2A/TCF3 (NP_003191.1).
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



WB (Western Blot)

Western blot analysis of lysates from Jurkat cells, using E2A/TCF3 Rabbit mAb (AAA283034) at 1:1000 dilution. Secondary antibody: HRP-conjugated 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.



WB (Western Blot)

Western blot analysis of lysates from Mouse ovary, using E2A/TCF3 Rabbit mAb (AAA283034) at 1:1000 dilution. Secondary antibody: HRP-conjugated 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.

ADDITIONAL INFORMATION

Related Product Information for anti-TCF3 antibody	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.
Product Categories/Family for anti-TCF3 antibody	Epigenetics & Nuclear Signaling; Transcription Factors; Cell Biology & Developmental Biology; Cell Adhesion; Wnt/beta-Catenin Signaling Pathway; Stem Cells; Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	209915594
NCBI GeneID	6929
NCBI Accession #	NP_001129611.1
NCBI GenBank Nucleotide #	NM_001136139.2
UniProt Accession #	P15923; P15883; Q14208; Q14635; Q14636; Q2TB40; Q9UPI9
Molecular Weight	Calculated MW: 67kDa/68kDa Observed MW: 75kDa/67-80kDa
UniProt Protein Name	Transcription factor E2-alpha
UniProt Gene Name	TCF3
UniProt Synonym Gene Names	BHLHB21; E2A; ITF1; bHLHb21; TCF-3
UniProt Entry Name	TFE2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.