

bs-6065R**[Primary Antibody]****TCF3 Rabbit pAb****Bioss**
ANTIBODIES

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— DATASHEET —

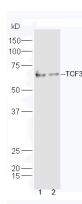
Host: Rabbit	Isotype: IgG
Clonality: Polyclonal	
GeneID: 6929	SWISS: P15923
Target: TCF3	
Immunogen: KLH conjugated synthetic peptide derived from human TCF3/E2A: 301-400/654.	
Purification: affinity purified by Protein A	
Concentration: 1mg/ml	
Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.	
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. [provided by RefSeq, Sep 2011]	

Applications: **WB** (1:500-2000)
IHC-P (1:100-500)
IHC-F (1:100-500)
IF (1:100-500)

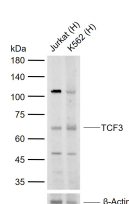
Reactivity: Human, Mouse, Rat
(predicted: Cow, Dog, Horse)

Predicted MW.: 67 kDa

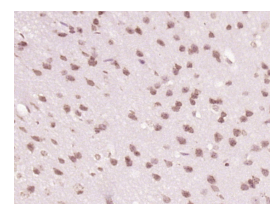
Subcellular Location: Nucleus

— VALIDATION IMAGES —

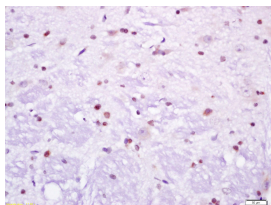
Sample: A549 Cell (Human) Lysate at 40 ug
Cell (Human) Lysate at 40 ug Primary: Anti-TCF3 (bs-6065R) at 1/300 dilution Secondary: HRP conjugated Goat-Anti-rabbit IgG (bs-0295G-HRP) at 1/5000 dilution Predicted band size: 67 kD
Observed band size: 67 kD



Sample: Lane 1: Human Jurkat cell lysates Lane 2: Human K562 cell lysates Primary: Anti-TCF3 (bs-6065R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 67 kDa Observed band size: 67 kDa



Paraformaldehyde-fixed, paraffin embedded (Mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (TCF3) Polyclonal Antibody, Unconjugated (bs-6065R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Tissue/cell: rat brain tissue; 4%
Paraformaldehyde-fixed and paraffin-
embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min; Incubation: Anti-TCF3 Polyclonal Antibody, Unconjugated(bs-6065R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining