

bs-1450R**[Primary Antibody]****BioSS**
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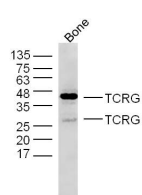
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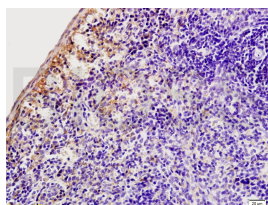
400-901-9800

TRGC2 Rabbit pAb**— DATASHEET —**

Host: Rabbit	Isotype: IgG	Applications: WB (1:500-2000)
Clonality: Polyclonal		IHC-P (1:100-500)
GeneID: 6965	SWISS: P03986	IHC-F (1:100-500)
Target: TRGC2		IF (1:100-500)
Immunogen: KLH conjugated synthetic peptide derived from human TCRG: 1-100/189.		Reactivity: Mouse, Rat (predicted: Human, Cow, Horse)
Purification: affinity purified by Protein A		
Concentration: 1mg/ml		Predicted MW.: 22/35 kDa
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.		Subcellular Location: Cell membrane
Background: T cell receptors recognize foreign antigens which have been processed as small peptides and bound to major histocompatibility complex (MHC) molecules at the surface of antigen presenting cells (APC). Each T cell receptor is a dimer consisting of one alpha and one beta chain or one delta and one gamma chain. In a single cell, the T cell receptor loci are rearranged and expressed in the order delta, gamma, beta, and alpha. If both delta and gamma rearrangements produce functional chains, the cell expresses delta and gamma. If not, the cell proceeds to rearrange the beta and alpha loci. This region represents the germline organization of the T cell receptor gamma locus. The gamma locus includes V (variable), J (joining), and C (constant) segments. During T cell development, the gamma chain is synthesized by a recombination event at the DNA level joining a V segment with a J segment; the C segment is later joined by splicing at the RNA level. Recombination of many different V segments with several J segments provides a wide range of antigen recognition. Additional diversity is attained by junctional diversity, resulting from the random addition of nucleotides by terminal deoxynucleotidyltransferase. Several V segments of the gamma locus are known to be incapable of encoding a protein and are considered pseudogenes. Somatic rearrangement of the gamma locus has been observed in T cells derived from patients with T cell leukemia and ataxia telangiectasia. [provided by RefSeq, Jul 2008]		

— VALIDATION IMAGES —

Sample: Bone (mouse) Lysate at 40 ug Primary:
Anti- TCRG(bs-1450R) at 1/300 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at
1/20000 dilution Predicted band size: 22/35kD
Observed band size: 27/40 kD



Tissue/cell: rat spleen 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-TCRG Polyclonal Antibody,
Unconjugated(bs-1450R) 1:200, overnight at 4°C,
followed by conjugation to the secondary
antibody(SP-0023) and DAB(C-0010) staining

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.