

**bs-12494R****[ Primary Antibody ]****APOBEC3B Rabbit pAb****Bioss**  
**ANTIBODIES**

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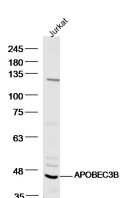
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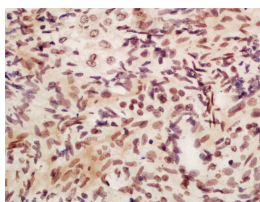
400-901-9800

**— DATASHEET —**

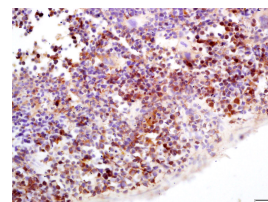
<b>Host:</b> Rabbit	<b>Isotype:</b> IgG	<b>Applications:</b> <b>WB</b> (1:500-2000) <b>IHC-P</b> (1:100-500) <b>IHC-F</b> (1:100-500) <b>IF</b> (1:100-500)
<b>Clonality:</b> Polyclonal		
<b>GeneID:</b> 9582	<b>SWISS:</b> Q9UH17	
<b>Target:</b> APOBEC3B		
<b>Immunogen:</b> KLH conjugated synthetic peptide derived from human APOBEC3B: 1-100/382.		
<b>Purification:</b> affinity purified by Protein A		<b>Reactivity:</b> Human, Mouse, Rat
<b>Concentration:</b> 1mg/ml		
<b>Storage:</b> 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.		<b>Predicted MW.:</b> 46 kDa
<b>Background:</b> APOBEC proteins inhibit retroviruses by deaminating cytosine residues of viral RNA and DNA. The seven APOBEC3 genes or pseudogenes are found in a cluster thought to result from gene duplication on chromosome 22. APOBEC3 proteins are thought to be RNA editing enzymes and have roles in cell growth. APOBEC3B, also known as phorbolin-1-related protein or phorbolin-2/3, is a 382 amino acid protein belonging to the cytidine and deoxycytidylate deaminase family. APOBEC3B lacks cytidine deaminase activity on RNA molecules, but has been shown to bind to apoB and AU-rich RNAs. APOBEC3B forms a homodimer and interacts with APOBEC3G. APOBEC3B is expressed at moderate levels in heart, testis, thymus, prostate, ovary, spleen and peripheral blood leukocytes.		<b>Subcellular Location:</b> Nucleus

**— VALIDATION IMAGES —**

Sample: Jurkat(human) cell lysate at 40 µg  
 Primary: Anti-APOBEC3B (bs-12494R) at 1/300 dilution  
 Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution  
 Predicted band size: 46 kD  
 Observed band size: 46 kD



Tissue/cell: Rat ovary 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-APOBEC3B Polyclonal Antibody, Unconjugated (bs-12494R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody (SP-0023) and DAB (C-0010) staining



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-APOBEC3B Polyclonal Antibody, Unconjugated (bs-12494R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody (SP-0023) and DAB (C-0010) staining

**— SELECTED CITATIONS —**

- **[IF=2.02]** Onguru, Onder, et al. "APOBEC3B expression in drug resistant MCF-7 breast cancer cell lines." Biomedicine & Pharmacotherapy 79 (2016): 87-92. WB, IHC; "Human". 27044816