

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

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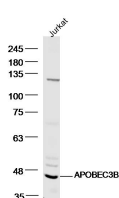
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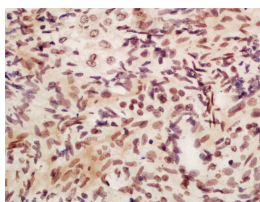
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— DATASHEET —

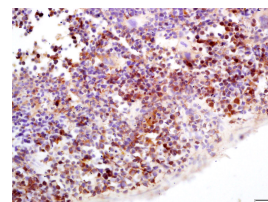
Host: Rabbit	Isotype: IgG	Applications: WB (1:500-2000) IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500)
Clonality: Polyclonal		
GeneID: 9582	SWISS: Q9UH17	
Target: APOBEC3B		Reactivity: Human, Mouse, Rat
Immunogen: KLH conjugated synthetic peptide derived from human APOBEC3B: 1-100/382.		
Purification: affinity purified by Protein A		
Concentration: 1mg/ml		Predicted MW.: 46 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: Nucleus
Background: 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.		

— 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 15 min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30 min; 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 15 min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30 min; 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