

bs-13261R**[Primary Antibody]****GABPA Rabbit pAb****Bioss**
ANTIBODIES

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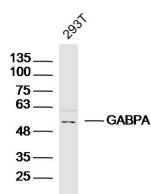
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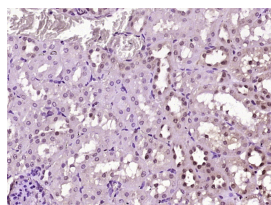
400-901-9800

— DATASHEET —

Host: Rabbit	Isotype: IgG	Applications: WB (1:500-2000)
Clonality: Polyclonal		IHC-P (1:100-500)
GeneID: 2551	SWISS: Q06546	IHC-F (1:100-500)
Target: GABPA		IF (1:100-500)
Immunogen: KLH conjugated synthetic peptide derived from human GABPA: 51-150/454.		Reactivity: Human, Rat (predicted: Mouse, Rabbit, Pig, Sheep, Cow, Chicken, Dog)
Purification: affinity purified by Protein A		Predicted MW.: 51 kDa
Concentration: 1mg/ml		Subcellular Location: Nucleus
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: The transcription factor GA-binding protein (GABP) is composed of two subunits, the Ets-related GABP-alpha and a GABP-alpha-associated subunit, GABP beta. GABP alpha binds to a specific DNA sequence and GABP beta exists as b1 and b2 splice variants that differ in their C-termini. In primary neuronal cultures, GABP beta is expressed in both the cytoplasm and the nucleus, whereas GABP alpha is expressed mainly in the nucleus. GABP is constitutively expressed as either a GABP alpha beta heterodimer or a GABP alpha b heterotetramer, both of which can modify GABP-dependent transcription in vitro and in vivo. The GABP alpha beta tetrameric complex performs many different functions, such as stimulating transcription of the adenovirus E4 gene, differentially activating BRCA1 expression in human breast cell lines, potentiating Tat-mediated activation of long terminal repeat promoter transcription and viral replication in certain cell types, acting as a coordinator of mitochondrial and nuclear transcription for cytochrome oxidase in neurons and assisting in the regulation of rpl32 gene transcription.		

— VALIDATION IMAGES —

Sample: 293T Cell (Human) Lysate at 30 ug
 Primary: Anti- GABPA (bs-13261R) at 1/300
 dilution Secondary: IRDye800CW Goat Anti-
 Rabbit IgG at 1/20000 dilution Predicted band
 size: 51kD Observed band size: 51kD



Paraformaldehyde-fixed, paraffin embedded
 (Rat kidney); 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 (GABPA) Polyclonal Antibody,
 Unconjugated (bs-13261R) at 1:400 overnight at
 4°C, followed by operating according to SP
 Kit(Rabbit) (sp-0023) instructions and DAB
 staining.

— SELECTED CITATIONS —

- **[IF=3.738]** Rao, Gan. et al. Arsenic Trioxide Triggers Mitochondrial Dysfunction, Oxidative Stress, and Apoptosis via Nrf

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

2/Caspase 3 Signaling Pathway in Heart of Ducks. BIOL TRACE ELEM RES. Biol Trace Elem Res. 2022 Apr;;1-11 WB ;Duck.
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