

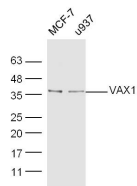
**bs-11496R****[ Primary Antibody ]****VAX1 Rabbit pAb****BioSS**  
**ANTIBODIES**

www.bioss.com.cn

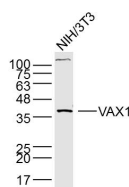
sales@bioss.com.cn

techsupport@bioss.com.cn

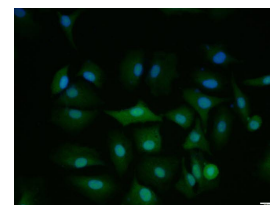
400-901-9800

**DATASHEET****Host:** Rabbit**Isotype:** IgG**Clonality:** Polyclonal**GeneID:** 11023**SWISS:** Q5SQQ9**Target:** VAX1**Immunogen:** KLH conjugated synthetic peptide derived from human VAX1: 133-200/334.**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:** The homeobox DNA-binding domain is a 60 amino acid motif that is conserved among many species and functions to bind DNA via a helix-turn-helix structure, thereby playing a role in transcriptional regulation and the control of gene expression. VAX1 (ventral anterior homeobox 1) is a 334 amino acid protein that localizes to the nucleus and contains one homeobox DNA-binding domain. Expressed as multiple alternatively spliced isoforms, VAX1 is required for major tract formation and axon guidance in the developing brain and may play a role in the differentiation of various structures, including the optic stalk, the neuroretina and the pigmented epithelium. The gene encoding VAX1 maps to human chromosome 10, which houses over 1,200 genes and comprises nearly 4.5% of the human genome.**Applications:** WB (1:500-2000)**Flow-Cyt** (1µg/Test)**ICC/IF** (1:100)**Reactivity:** Human, Mouse, Rat  
(predicted: Pig, Cow, Chicken, Dog)**Predicted MW.:** 35 kDa**Subcellular Location:** Nucleus**VALIDATION IMAGES**

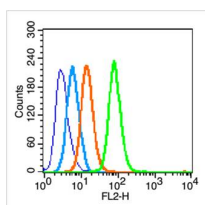
Sample: MCF-7 Cell (Human) Lysate at 40 ug  
U937 Cell (Human) Lysate at 40 ug  
Primary: Anti-VAX1 (bs-11496R) at 1/300 dilution  
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution  
Predicted band size: 35 kD  
Observed band size: 36 kD



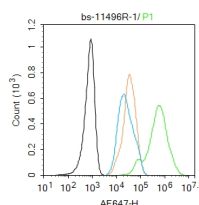
Sample: NIH/3T3 Cell (Mouse) Lysate at 40 ug  
Primary: Anti-VAX1 (bs-11496R) at 1/300 dilution  
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution  
Predicted band size: 35 kD  
Observed band size: 37 kD



A549 cell; 4% Paraformaldehyde-fixed; Triton X-100 at room temperature for 20 min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Antibody incubation with (VAX1) polyclonal Antibody, Unconjugated (bs-11496R) 1:100, 90 minutes at 37°C; followed by a conjugated Goat Anti-Rabbit IgG antibody at 37°C for 90 minutes, DAPI (blue, C02-04002) was used to stain the cell nuclei.



Blank control (blue line): Hep G2 (fixed with 70% ethanol (Overnight at 4°C) and then permeabilized with 90% methanol for 20 min at



Blank control: A431. Primary Antibody (green line): Rabbit Anti-VAX1 antibody (bs-11496R)  
Dilution: 1µg/10<sup>6</sup> cells; Isotype Control

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

-20°C). Primary Antibody (green line): Rabbit Anti-VAX1 antibody (bs-11496R), Dilution: 0.2 µg / 10<sup>6</sup> cells; Isotype Control Antibody (orange line): Rabbit IgG . Secondary Antibody (white blue line): Goat anti-rabbit IgG-PE, Dilution: 1 µg / test.

Antibody (orange line): Rabbit IgG . Secondary Antibody : Goat anti-rabbit IgG-AF647 Dilution: 1 µg / test. Protocol The cells were fixed with 4% PFA (10 min at room temperature) and then permeabilized with 90% ice-cold methanol for 20 min at -20°C. The cells were then incubated in 5% BSA to block non-specific protein-protein interactions for 30 min at room temperature. Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.