## bs-1866R

# [ Primary Antibody ]

# Bioss

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# SPDEF Rabbit pAb

- DATASHEET -

**Host:** Rabbit **Isotype:** IgG

Clonality: Polyclonal

**GenelD:** 25803 **SWISS:** 095238

Target: SPDEF

**Immunogen:** KLH conjugated synthetic peptide derived from human PDEF:

251-335/335.

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:** SPDEF, also known as PDEF is an ETS transcription factor

expressed in the prostate epithelial cells. It is thought to act as an androgen-independent transactivator of the prostate-specific antigen (PSA) promoter and also as a transcriptional activator for the SERPINB5 promoter. It is highly expressed in prostate carcinoma cells and is thought to be involved in the regulation of

the prostate gland and/or prostate cancer development. It is also expressed in epithelial breast carcinoma.

**Applications: IHC-P** (1:100-500)

IHC-F (1:100-500) IF (1:100-500) ICC/IF (1:100-500)

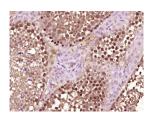
Reactivity: Human, Mouse, Rat

(predicted: Rabbit, Cow, Chicken, Dog, Horse)

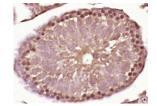
Predicted MW.: 38 kDa

Subcellular Nucleus

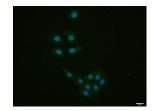
### VALIDATION IMAGES



Paraformaldehyde-fixed, paraffin embedded (mouse testis tissue); 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 (SPDEF) Polyclonal Antibody, Unconjugated (bs-1866R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (rat testis tissue); 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 (SPDEF) Polyclonal Antibody, Unconjugated (bs-1866R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



MCF-7 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 (SPDEF) polyclonal Antibody, Unconjugated (bs-1866R) 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.

### - SELECTED CITATIONS -

• [IF=8.2] Min, Eun-Kyung. et al.Advanced Lung-on-a-Chip Technology: Mimicking the Complex Human Lung
Microenvironment.INTERNATIONAL JOURNAL OF BIOLOGICAL SCIENCES.2025 Jan 1;21(1):17-39. IF; Human. 39744426