

bs-11784R**[Primary Antibody]****BioSS**
ANTIBODIES

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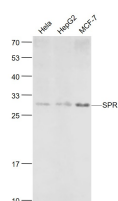
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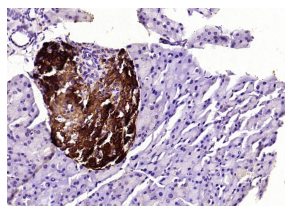
400-901-9800

SPR Rabbit pAb**— DATASHEET —**

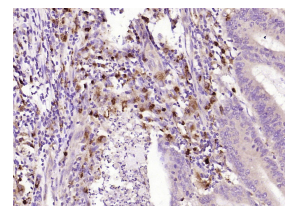
Host: Rabbit	Isotype: IgG	Applications: WB (1:500-2000) IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500) ICC/IF (1:100) Reactivity: Human, Mouse, Rat (predicted: Rabbit, Pig, Horse) Predicted MW.: 28 kDa Subcellular Location: Cytoplasm
Clonality: Polyclonal		
GeneID: 6697	SWISS: P35270	
Target: SPR		
Immunogen: KLH conjugated synthetic peptide derived from human Sepiapterin reductase: 101-200/261.		
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: This gene encodes an aldo-keto reductase that catalyzes the NADPH-dependent reduction of pteridine derivatives and is important in the biosynthesis of tetrahydrobiopterin (BH4). Mutations in this gene result in DOPA-responsive dystonia due to sepiapterin reductase deficiency. A pseudogene has been identified on chromosome 1. [provided by RefSeq, Jul 2008]		

— VALIDATION IMAGES —

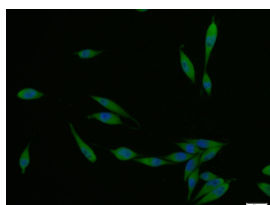
Sample: HeLa(Human) Cell Lysate at 30 ug
 HepG2(Human) Cell Lysate at 30 ug
 MCF-7(Human) Cell Lysate at 30 ug
 Primary: Anti-SPR (bs-11784R) at 1/1000 dilution
 Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
 Predicted band size: 28 kD
 Observed band size: 28 kD



Paraformaldehyde-fixed, paraffin embedded (mouse pancreas); 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 (SPR) Polyclonal Antibody, Unconjugated (bs-11784R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (human colon carcinoma); 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 (SPR) Polyclonal Antibody, Unconjugated (bs-11784R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



A431 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 (SPR) polyclonal Antibody, Unconjugated (bs-11784R) 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

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

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— SELECTED CITATIONS —

- **[IF=3.1]** Liu Ruimin. et al. 5' tiRNA-35-GlyTCC-3 and 5' tiRNA-33-CysGCA-11 target BMP6, CUL1 and SPR of non-syndromic cleft palate. BMC ORAL HEALTH. 2025 Dec;25(1):1-16 IHC ;Human. 40012056