

**bs-20388R****[ Primary Antibody ]****StAR Rabbit pAb****BioSS**  
**ANTIBODIES**

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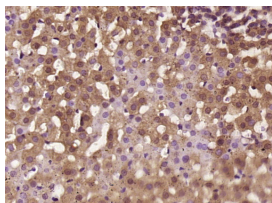
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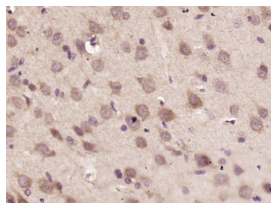
400-901-9800

**— DATASHEET —**

<b>Host:</b> Rabbit	<b>Isotype:</b> IgG	<b>Applications:</b> IHC-P (1:100-500)
<b>Clonality:</b> Polyclonal		<b>IHC-F</b> (1:100-500)
<b>GeneID:</b> 6770	<b>SWISS:</b> P49675	<b>IF</b> (1:100-500)
<b>Target:</b> StAR		<b>Reactivity:</b> Rat (predicted: Human, Mouse, Pig, Horse)
<b>Immunogen:</b> KLH conjugated synthetic peptide derived from human StAR: 201-300/285.		
<b>Purification:</b> affinity purified by Protein A		<b>Predicted MW.:</b> 32 kDa
<b>Concentration:</b> 1mg/ml		<b>Subcellular Location:</b> Cytoplasm
<b>Storage:</b> Preservative: 0.02% Proclin300, Constituents: 1% BSA, 0.01M PBS, pH7.4. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.		
<b>Background:</b> The protein encoded by this gene plays a key role in the acute regulation of steroid hormone synthesis by enhancing the conversion of cholesterol into pregnenolone. This protein permits the cleavage of cholesterol into pregnenolone by mediating the transport of cholesterol from the outer mitochondrial membrane to the inner mitochondrial membrane. Mutations in this gene are a cause of congenital lipid adrenal hyperplasia (CLAH), also called lipid CAH. A pseudogene of this gene is located on chromosome 13. [provided by RefSeq, Jul 2008].		

**— VALIDATION IMAGES —**

Paraformaldehyde-fixed, paraffin embedded (rat adrenal gland 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 (StAR) Polyclonal Antibody, Unconjugated (bs-20388R) 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 brain 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 (StAR) Polyclonal Antibody, Unconjugated (bs-20388R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

**— SELECTED CITATIONS —**

- **[IF=3.869]** Zhang Mengfei. et al. Eif2s3y Promotes the Proliferation of Spermatogonial Stem Cells by Activating ERK Signaling. Stem Cells Int. 2021;2021:6668658 IF,IHC ;Goat. 33603791
- **[IF=2.74]** Wanhong Li. et al. Dietary supplementation of grape seed tannin extract stimulated testis development, changed fatty acid profiles and increased testis antioxidant capacity in pre-puberty hu lambs. Theriogenology. 2021 Sep;172:160 WB ;Sheep. 34174754
- **[IF=1.723]** Gao X et al. Long non-coding RNA LOC105611671 modulates fibroblast growth factor 9 (FGF9) expression by

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- targeting oar-miR-26a to promote testosterone biosynthesis in Hu sheep. *Reprod Fertil Dev.* 2019 Nov 21. WB ;Sheep. 31747535
- **[IF=1.858]** Zihui Wang. et al. Heat stress and hypoxia inhibit the secretion of androgens and induce epithelial-to-mesenchymal transition associated with activated TGF- $\beta$ /Smad signaling in canine cryptorchidism. *REPROD DOMEST ANIM.* 2022 Jun 09 WB ;Dog. 35678492
  - **[IF=2.3]** Shiman Guo. et al. The effects of low ambient temperature on steroidogenesis and mitochondrial functions in the testes of wild ground squirrels (*Spermophilus dauricus*). *COMP BIOCHEM PHYS A.* 2024 Jan;;111585 IHC ;Squirrels. 38228267