

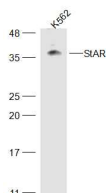
bs-20387R**[Primary Antibody]****BioSS**
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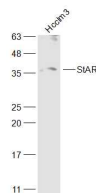
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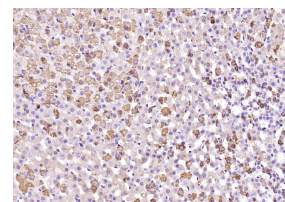
400-901-9800

StAR Rabbit pAb**— DATASHEET —****Host:** Rabbit**Isotype:** IgG**Clonality:** Polyclonal**GeneID:** 6770**SWISS:** P49675**Target:** StAR**Immunogen:** KLH conjugated synthetic peptide derived from human StAR: 181-285/285.**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 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 lipoid adrenal hyperplasia (CLAH), also called lipoid CAH. A pseudogene of this gene is located on chromosome 13. [provided by RefSeq, Jul 2008].**Applications:** WB (1:500-2000)**IHC-P** (1:100-500)**IHC-F** (1:100-500)**IF** (1:100-500)**Reactivity:** Human, Mouse, Rat
(predicted: Pig, Horse)**Predicted MW.:** 32 kDa**Subcellular Location:** Cytoplasm**— VALIDATION IMAGES —**

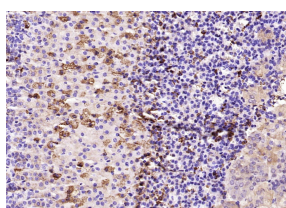
Sample: K562(Human) Cell Lysate at 30 ug
 Primary: Anti-StAR (bs-20387R) at 1/300 dilution
 Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 32 kD
 Observed band size: 32 kD



Sample: Hcclm3(Human) Cell Lysate at 30 ug
 Primary: Anti-StAR (bs-20387R) at 1/300 dilution
 Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 32 kD
 Observed band size: 32 kD



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-20387R) 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 (mouse adrenal gland); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking

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

buffer (normal goat serum) at 37°C for 30min;
Antibody incubation with (StAR) Polyclonal
Antibody, Unconjugated (bs-20387R) at 1:200
overnight at 4°C, followed by operating
according to SP Kit(Rabbit) (sp-0023)
instructions and DAB staining.

— SELECTED CITATIONS —

- **[IF=8.2]** Qingjing Gao. et al. 1,25(OH)₂D₃ regulates androgen synthesis via transcriptional control of steroidogenic enzymes and LHR in the scented glands of muskrats (*Ondatra zibethicus*). FREE RADICAL BIO MED. 2025 Mar;229:82 IHC ;Muskrat. 39827922
- **[IF=8.2]** Nian Li. et al. A novel trans-acting lncRNA of ACTG1 that induces the remodeling of ovarian follicles. INT J BIOL MACROMOL. 2023 Jul;242:125170 WB ;Pig. 37276900
- **[IF=5.6]** Shuo Li. et al. Knockdown of DNMT1 Induces SLC3A1 to Promote Follicular Growth by Enhancing the Proliferation of Granulosa Cells in Mammals. INT J MOL SCI. 2024 Jan;25(5):2468 WB ;Human. 38473715
- **[IF=6.208]** Sijie Fan. et al. Seasonal Change in Adiponectin Associated with Ovarian Morphology and Function in Wild Ground Squirrels (*Citellus dauricus* Brandt). INT J MOL SCI. 2022 Jan;23(23):14698 IHC ;Squirrel. 36499026
- **[IF=4.522]** Chen F et al. ERO1α promotes testosterone secretion in hCG - stimulated mouse Leydig cells via activation of the PI3K/AKT/mTOR signaling pathway. J Cell Physiol. 2020 Jan 28. WB ;Mouse. 31990068