### bs-3608R

## [ Primary Antibody ]

# Bioss ANTIBODIES

www.bioss.com.cn sales@bioss.com.cn techsupport@bioss.com.cn 400-901-9800

## CYP11A1 Rabbit pAb

- DATASHEET -

Host: Rabbit Isotype: IgG

Clonality: Polyclonal

**GenelD:** 1583 **SWISS:** P05108

Target: CYP11A1

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

CYP11A1/P450SCC: 321-420/521.

**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 a member of the cytochrome P450 superfamily

of enzymes. The cytochrome P450 proteins are monooxygenases which catalyze many reactions involved in drug metabolism and synthesis of cholesterol, steroids and other lipids. This protein localizes to the mitochondrial inner membrane and catalyzes the conversion of cholesterol to pregnenolone, the first and ratelimiting step in the synthesis of the steroid hormones. Two transcript variants encoding different isoforms have been found for this gene. The cellular location of the smaller isoform is unclear since it lacks the mitochondrial-targeting transit peptide.

[provided by RefSeq, Jul 2008]

tprovided by Reiseq, Jul 200

**Applications: WB** (1:500-5000)

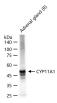
Reactivity: Rat (predicted: Human,

Mouse, Rabbit, Pig, Cow, Chicken, Dog, Horse)

Predicted MW.: 53 kDa

Subcellular Location: Cytoplasm

#### VALIDATION IMAGES



25 ug total protein per lane of various lysates (see on figure) probed with CYP11A1 polyclonal antibody, unconjugated (bs-3608R) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.

#### - SELECTED CITATIONS -

- [IF=15.221] Qiu JT et al. Micro RNA 7 inhibits melatonin synthesis by acting as a linking molecule between leptin and norepinephrine signaling pathways in pig pineal gland. Journal of Pineal Research,2019 e12552. IHC; Pig. 30618087
- [IF=13.3] Kehan Wang. et al. Autophagy regulation and protein kinase activity of PIK3C3 controls sertoli cell polarity through its negative regulation on SCIN (scinderin). AUTOPHAGY. 2023 Jul 14 WB; Mouse, Human. 37450577
- [IF=12.067] Zhou, Xiaofeng. et al. DNMT1-mediated lncRNA IFFD controls the follicular development via targeting GLI1 by sponging miR-370. CELL DEATH DIFFER. 2022 Dec;:1-13 WB; Mouse, Pig. 36566296
- [IF=7.6] Yan-Zhu Chen. et al. Acrolein exposure affects ovarian function by interfering with glycolysis and mitochondrial energy metabolism in mouse. ENVIRON POLLUT. 2024 Nov;361:124776 WB ;Mouse. 39173867

Nanoparticles in Pregnant Mice: Both on Maternal and Fetal/Juvenile Mice. INT J NANOMED. 2022 Dec;17:5899-5913 W				
Mouse. 36474528				