

bs-0114R**[Primary Antibody]****Bioss**
ANTIBODIES

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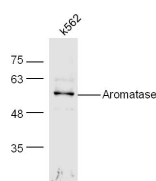
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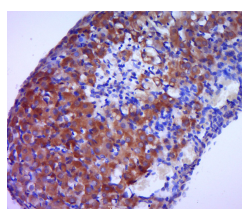
400-901-9800

Aromatase Rabbit pAb**— DATASHEET —**

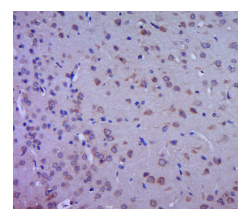
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|---|----------------------|--|
| Host: Rabbit | Isotype: IgG | Applications: WB (1:500-2000) |
| Clonality: Polyclonal | | IHC-P (1:100-500) |
| GeneID: 1588 | SWISS: P11511 | IHC-F (1:100-500) |
| Target: Aromatase | | IF (1:100-500) |
| Immunogen: KLH conjugated synthetic peptide derived from human Aromatase: 51-150/503. | | Reactivity: Human, Mouse, Rat (predicted: Rabbit, Pig, Sheep, Cow, Dog, Horse) |
| Purification: affinity purified by Protein A | | |
| Concentration: 1mg/ml | | Predicted MW.: 55 kDa |
| 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. | | Subcellular Location: Cell membrane |
| Background: Aromatase is a key enzyme in steroidogenesis and plays an important role in sexual differentiation, oestrogen biosynthesis, fertility and carcinogenesis. It is highly conserved amongst mammals, and is highly expressed in placental tissue. Many environmental chemicals may influence aromatase activity and thereby disrupt endocrine function. | | |

— VALIDATION IMAGES —

Sample: K562 (human) Cell Lysate at 40 ug
 Primary: Anti-Aromatase (bs-0114R) at 1/300
 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 55 kD Observed band size: 55 kD



Paraformaldehyde-fixed, paraffin embedded (rat ovary 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 (Aromatase) Polyclonal Antibody, Unconjugated (bs-0114R) at 1:400 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (mouse 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 (Aromatase) Polyclonal Antibody, Unconjugated (bs-0114R) at 1:400 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.

— SELECTED CITATIONS —

- **[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=8.469]** Xiaofeng Zhou. et al. DNA methylation mediated RSPO2 to promote follicular development in mammals. Cell Death Dis. 2021 Jun;12(7):1-13 WB ;Pig. 34175894
- **[IF=5.6]** Zihao Fang. et al. 17β-Estradiol mediates TGFBR3/Smad2/3 signaling to attenuate the fibrosis of TGF-β1-induced bovine endometrial epithelial cells via GPER. J CELL PHYSIOL. 2023 Nov;: WB,IHC ;Bovine. 37991438
- **[IF=3.641]** Wenbo Ge. et al. 17β-estradiol protects sheep oviduct epithelial cells against lipopolysaccharide-induced inflammation in vitro. Mol Immunol. 2020 Nov;127:21 IHC ;Sheep. 32905905

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

- **[IF=3.216]** Zheng Chen. et al. Effects of dietary protein level on the growth, reproductive performance, and larval quality of female yellow catfish (*Pelteobagrus fulvidraco*) broodstock. Aquacult Rep. 2022 Jun;24:101102 IHC ;Yellow Catfish. 10.1016/j.aqrep.2022.101102