bs-0114M **[Primary Antibody]**

Aromatase Mouse pAb

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DATASHEET

Host: Mouse **Isotype:** IgG

Clonality: Polyclonal

GeneID: 1588 **SWISS:** P11511

Target: Aromatase

Immunogen: KLH conjugated synthetic peptide derived from human Aromatase: 51-150/503.

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: 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.

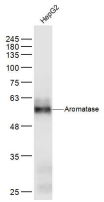
Applications: **WB** (1:500-2000)

Reactivity: Human (predicted: Mouse, Rat, Rabbit, Pig, Sheep, Cow, Dog, Horse)

Predicted MW.: 55 kDa

Subcellular Location: Cell membrane

VALIDATION IMAGES



Sample: HepG2(Human) Cell Lysate at 30 ug Primary: Anti-Aromatase (bs-0114M) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 55 kD Observed band size: 58 kD

SELECTED CITATIONS

- **[IF=4.2]** Zhang, Weidong, et al. "Decrease in male mouse fertility by hydrogen sulfide and/or ammonia can Be inheritable." Chemosphere (2017). IHC ;="Mouse". 29202267
- **[IF=3.813]** Hongwei Duan. et al. Dihydrotestosterone regulates oestrogen secretion, oestrogen receptor expression, and apoptosis in granulosa cells during antral follicle development. J Steroid Biochem. 2021 Mar;207:105819 WB,IHC ;Sheep. 33465420
- **[IF=2.3]** Eisuke Kato. et al. Bioactive Components in Black Currant Fruit, Red Perilla (Shiso) Leaf, and Chinese Sweet Tea That Enhance Testosterone Production in Leydig Cells and Their Combined Effect in Male Mice. ACS Food Science & Technology. 2024;4(5):1209–1215 WB ;Mouse. 10.1021/acsfoodscitech.4c00022
- **[IF=1.638]** Ge W et al. Androgen receptor, aromatase, estrogen receptor α/β, and G‐protein‐coupled receptor 30 expression in the testes and epididymides of adult sheep. Reproduction in Domestic Animals. 2020. WB ;Sheep. doi:10.1111/rda.13638
- **[IF=2.4]** Qigang Fan. et al. Studying the effect of hyperoside on recovery from cyclophosphamide induced

oligoasthenozoospermia. SYST BIOL REPROD MED. 2023 Aug 14 WB ;Mouse. 37578152