

[Primary Antibody]

ZAR1 Rabbit pAb



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ANTIBODIES

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— DATASHEET

Host: Rabbit

Isotype: IgG

Applications: WB (1:500-2000)

Clonality: Polyclonal

GeneID: 326340

SWISS: 086SH2

Target: ZAR1

Immunogen: KLH conjugated synthetic peptide derived from human ZAR1/Zygote arrest protein 1: 351-424/424.

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.

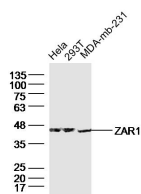
Background: he female gamete, the oocyte, serves the distinct purpose of transmitting the maternal genome and other maternal factors critical for postovulation events. Oocytes have diverse functions in ovarian folliculogenesis, fertilization, and embryogenesis. ZAR1 is an oocyte-specific gene that appears to function at the oocyte-to-gamete transition

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

Predicted
MW.: 46 kDa

Subcellular Location: Cytoplasm

- VALIDATION IMAGES



Sample: Hela (human)Cell Lysate at 40 ug 293T
(human)Cell Lysate at 40 ug MDA-MB-231
(human)Cell Lysate at 40 ug Primary: Anti-alpha
smooth muscle Actin (bs-10196R) at 1/300
dilution Secondary: IRDye800CW Goat Anti-
Rabbit IgG at 1/20000 dilution Predicted band
size: 42 kD Observed band size: 42 kD

— SELECTED CITATIONS

- **[IF=3.184]** Kinterova V et al. Inhibition of SCF complexes during bovine oocyte maturation and preimplantation development leads to delayed development of embryos.(2018) Biol. Reprod. WB ;cows &heifers. 30535233
- **[IF=2.6]** Zhao Xiaodong. et al. The Regulation of ZAR1 on Apoptosis and Mitophagy in Ovarian Granular Cells and Primary Ovarian Insufficiency (POI) Mice. REPROD SCI. 2025 Apr;;1-13 WB ;Human,Mouse. 40216655
- **[IF=1.84]** Wasielek, M., et al. "Zygote arrest 1 (ZAR-1), nucleoplasm 2 (NPM2), and developmentally associated protein 3 (DPPA3) mRNA profiles throughout porcine embryo development in vitro." Theriogenology (2016). IHC ;="Pig". 27566850

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