

bs-14356R**[Primary Antibody]****DNA Polymerase epsilon p59 Rabbit pAb****BioSS**
ANTIBODIES

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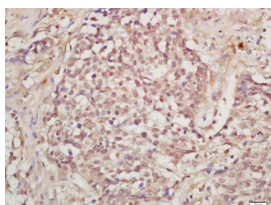
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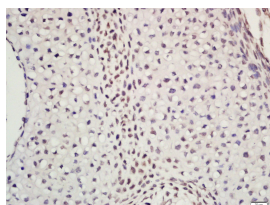
400-901-9800

— DATASHEET —

Host: Rabbit	Isotype: IgG	Applications: IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500) Reactivity: Human, Mouse (predicted: Rat, Sheep, Cow, Horse) Predicted MW.: 59 kDa Subcellular Location: Nucleus
Clonality: Polyclonal		
GeneID: 5427	SWISS: P56282	
Target: DNA Polymerase epsilon p59		
Immunogen: KLH conjugated synthetic peptide derived from human DNA Polymerase epsilon p59: 101-200/527.		
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: DNA replication, recombination and repair, all of which are necessary for genome stability, require the presence of exonucleases		

— VALIDATION IMAGES —

Tissue/cell: human laryngo carcinoma; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Incubation: Anti-POLE2 Polyclonal Antibody, Unconjugated(bs-14356R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



Tissue/cell: Mouse embryos tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Incubation: Anti-DNA Polymerase epsilon p59 Polyclonal Antibody, Unconjugated(bs-14356R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining

— SELECTED CITATIONS —

- **[IF=11.205]** Cong Lan. et al. Inhibition of DYRK1A, via histone modification, promotes cardiomyocyte cell cycle activation and cardiac repair after myocardial infarction. EBIOMEDICINE. 2022 Aug;82:104139 WB ;Rat. 35810562
- **[IF=5.201]** Zhang Chuanjie. et al. Targeting POLE2 Creates a Novel Vulnerability in Renal Cell Carcinoma via Modulating Stanniocalcin 1. Front Cell Dev Biol. 2021 Feb;9:228 IHC ;Human. 33644060
- **[IF=4.175]** Yongjun Zhu. et al. POLE2 knockdown reduce tumorigenesis in esophageal squamous cells. Cancer Cell Int. 2020 Dec;20(1):1-12 IHC ;Human. 32831648
- **[IF=2.4]** Sun Ming-yu. et al. POLE2 Regulates Apoptosis of Oral Squamous Cell Carcinoma Cells through the PI3K/AKT Signaling Pathway. CURR MED SCI. 2023 Dec;:1-11 IHC ;Human. 38079056

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