

bs-19051R**[Primary Antibody]****NCOA4 Rabbit pAb****Bioss**
ANTIBODIES

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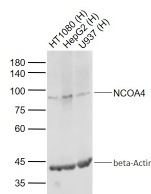
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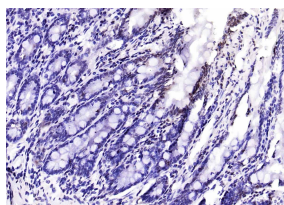
400-901-9800

DATASHEET

Host: Rabbit	Isotype: IgG	Applications: WB (1:500-2000) IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500) Reactivity: Human (predicted: Mouse, Rat, Pig, Sheep, Cow, Horse) Predicted MW.: 70 kDa Subcellular Location: Nucleus
Clonality: Polyclonal		
GeneID: 8031	SWISS: Q13772	
Target: NCOA4		
Immunogen: KLH conjugated synthetic peptide derived from human NCOA4: 1-100/614.		
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 an androgen receptor coactivator. The encoded protein interacts with the androgen receptor in a ligand-dependent manner to enhance its transcriptional activity. Chromosomal translocations between this gene and the ret tyrosine kinase gene, also located on chromosome 10, have been associated with papillary thyroid carcinoma. Alternatively spliced transcript variants have been described. Pseudogenes are present on chromosomes 4, 5, 10, and 14. [provided by RefSeq, Feb 2009]		

VALIDATION IMAGES

Sample: Lane 1: HT1080 (Human) Cell Lysate at 30 ug
Lane 2: HepG2 (Human) Cell Lysate at 30 ug
Lane 3: U937 (Human) Cell Lysate at 30 ug
Primary: Anti- NCOA4 (bs-19051R) at 1/1000 dilution
Anti-beta-Actin (bs-0061R) at 1/2000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 70 kD
Observed band size: 85 kD



Paraformaldehyde-fixed, paraffin embedded (Human duodenum); 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 (NCOA4) Polyclonal Antibody, Unconjugated (bs-19051R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

SELECTED CITATIONS

- **[IF=13.3]** Sai Ma. et al. Canagliflozin ameliorates ferritinophagy in HFpEF rats. CHEMICAL ENGINEERING JOURNAL. 2025 Jan ; Rat.
- **[IF=7.7]** Jingwei Tao. et al. Conductive, injectable hydrogel equipped with tetramethylpyrazine regulates ferritinophagy and promotes spinal cord injury repair. INT J BIOL MACROMOL. 2024 Dec;283:137887 IHC, IF, WB ; Rat. 39571843
- **[IF=7]** Xinyi Cheng. et al. Sodium Butyrate Alleviates Free Fatty Acid-Induced Steatosis in Primary Chicken Hepatocytes via Regulating the ROS/GPX4/Ferroptosis Pathway. ANTIOXIDANTS-BASEL. 2024 Feb;13(2):140 WB ; Chicken. 10.3390/antiox13020140

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

- **[IF=6.1]** Yunxiang Wang. et al. Corilagin attenuates intestinal ischemia/reperfusion injury in mice by inhibiting ferritinophagy-mediated ferroptosis through disrupting NCOA4-ferritin interaction. LIFE SCI. 2023 Oct;;122:176 WB,IHC,IF,IP ;Mouse,Rat. 37858718
- **[IF=5.6]** Kun Li. et al. Oxidative medicine and cellular longevity the role and mechanism of NCOA4 in ferroptosis induced by intestinal ischemia reperfusion. INT IMMUNOPHARMACOL. 2024 May;133:112155 WB,IHC,IF ;Mouse,Rat. 38688134