

# Anti-NCOA4 Antibody [PSH05-44]

HA722282



<b>Product Type:</b>	Recombinant Rabbit monoclonal IgG, primary antibodies
<b>Species reactivity:</b>	Human
<b>Applications:</b>	WB
<b>Molecular Wt:</b>	Predicted band size: 70 kDa
<b>Clone number:</b>	PSH05-44

**Description:** Nuclear receptor coactivator 4, also known as Androgen Receptor Activator (ARA70), is a protein that in humans is encoded by the NCOA4 gene. It plays an important role in ferritinophagy, acting as a cargo receptor, binding to the ferritin heavy chain and latching on to ATG8 on the surface of the autophagosome.

**Immunogen:** Recombinant protein within human NCOA4 aa 1-400 / 614.

**Positive control:** HeLa cell lysate, A-172 cell lysate, A549 cell lysate, A431 cell lysate, HL-60 cell lysate, NIH:OVCAR-3 cell lysate, A375 cell lysate.

**Subcellular location:** Nucleus.

**Database links:** SwissProt: Q13772 Human

**Recommended Dilutions:**  
**WB** 1:1,000-1:5,000

**Storage Buffer:** PBS (pH7.4), 0.1% BSA, 40% Glycerol. Preservative: 0.05% Sodium Azide.

**Storage Instruction:** Shipped at 4°C. Store at +4°C short term (1-2 weeks). It is recommended to aliquot into single-use upon delivery. Store at -20°C long term.

**Purity:** Protein A affinity purified.

Hangzhou Huaan Biotechnology Co., Ltd.

Orders: 0086-571-88062880

Technical: 0086-571-89986345

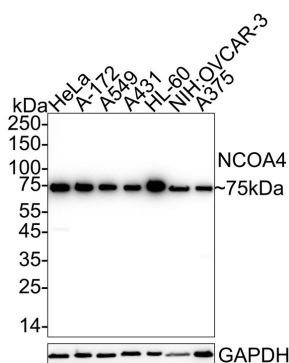
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Applications: WB=Western blot IHC-P=Immunohistochemistry (paraffin) IF-Cell=Immunofluorescence (Cell) IF-Tissue=Immunofluorescence (Tissue) FC=Flow cytometry IP=Immunoprecipitation

## Images

**Fig1:** Western blot analysis of NCOA4 on different lysates with Rabbit anti-NCOA4 antibody (HA722282) at 1/1,000 dilution.



Lane 1: HeLa cell lysate  
 Lane 2: A-172 cell lysate  
 Lane 3: A549 cell lysate  
 Lane 4: A431 cell lysate  
 Lane 5: HL-60 cell lysate  
 Lane 6: NIH:OVCAR-3 cell lysate  
 Lane 7: A375 cell lysate

Lysates/proteins at 20 µg/Lane.

Predicted band size: 70 kDa  
 Observed band size: 75 kDa

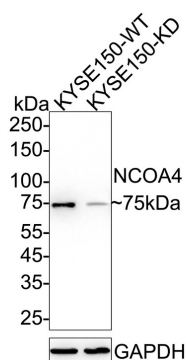
Exposure time: 25 seconds; ECL: K1801;

4-20% SDS-PAGE gel.

Proteins were transferred to a PVDF membrane and blocked with 5% NFDM/TBST for 1 hour at room temperature. The primary antibody (HA722282) at 1/1,000 dilution was used in 5% NFDM/TBST at 4°C overnight. Goat Anti-Rabbit IgG - HRP Secondary Antibody (HA1001) at 1/50,000 dilution was used for 1 hour at room temperature.

**Fig2:** Western blot analysis of NCOA4 on different lysates with Rabbit anti-NCOA4 antibody (HA722282) at 1/5,000 dilution.

Lane 1: KYSE150-si NT cell lysate  
 Lane 2: KYSE150-si NCOA4 cell lysate



Lysates/proteins at 10 µg/Lane.

Predicted band size: 70 kDa  
 Observed band size: 75 kDa

Exposure time: 3 minutes; ECL: K1801;

4-20% SDS-PAGE gel.

Proteins were transferred to a PVDF membrane and blocked with 5% NFDM/TBST for 1 hour at room temperature. The primary antibody (HA722282) at 1/5,000 dilution was used in 5% NFDM/TBST at 4°C overnight. Goat Anti-Rabbit IgG - HRP Secondary Antibody (HA1001) at 1/50,000 dilution was used for 1 hour at room temperature.

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**Note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE".

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### Background References

1. Santana-Codina N et al. The Role of NCOA4-Mediated Ferritinophagy in Ferroptosis. Adv Exp Med Biol. 2021
2. Wu H et al. ATM orchestrates ferritinophagy and ferroptosis by phosphorylating NCOA4. Autophagy. 2023 Jul

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