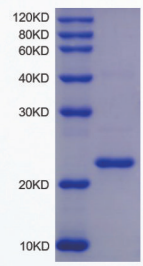
2018 NEW PRODUCTS

ELISA Kit for Human NCOA3/SRC-3

Cat.E11290h

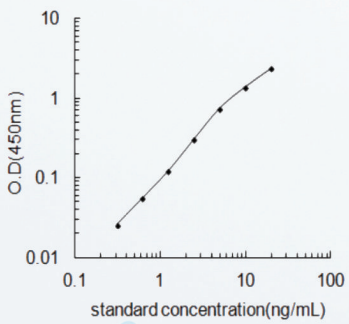
Nuclear receptor coactivator-3 (NCOA3) / SRC-3, a 1420-AA nuclear receptor coactivator does not directly bind to DNA; it is recruited to specific gene promoters by interacting with nuclear hormone receptors. NCOA3 plays an important role in optimal activation of the PERK–eIF2α–ATF4 pathway which regulates tumorous invasion. Overexpressing NCOA3 can increase mammary epithelial cell proliferation, cause mammary hyperplasia and tumorigenesis. Loss of NCOA3 has been shown to accelerate malignant B-cell lymphomas and osteoarthritis (OA). Accordingly, NCOA3 plays significant roles in mammary gland development, cell reproduction, somatic growth, and female generative function.



12% SDS-PAGE Analysis

Mouse liver tissue lysate was subjected to SDS-PAGE followed by Western Blot with NCOA3 antibody at dilution of 1:300 (Observed molecular weight is about 150kDa)

Western blot



ng / mL	Mean O.D
20	2.368
10	1.398
5.0	0.755
2.5	0.309
1.25	0.123
0.625	0.056
0.312	0.026
0	0

Detection Range: 0.312-20 ng/mL

Sensitivity: less than 0.099 ng/mL

Performance Characteristics: Intra-Assay CV: ≤6.8%

Inter-Assay CV: ≤10.3%

Spike Average Recovery: 101%

Reference

[1] Subhamoy D, Kimal R, Bokai Zhu, et al. Metabolic enzyme PFKFB4 activates transcriptional coactivator SRC–3 to drive breast cancer [J]. Nature, 2018, 556: 249–254 .