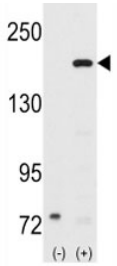
SRC-1 Antibody / NCOA1 (F50521)

Catalog No.	Formulation	Size
F50521-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F50521-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Predicted Reactivity	Pig
Format	Purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Purified
UniProt	Q15788
Applications	Western Blot : 1:1000
Limitations	This SRC-1 antibody is available for research use only.



Western blot analysis of SRC-1 antibody and 293 cell lysate (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the NCOA1 gene (2).

Description

SRC-1/NCOA1 is a nuclear receptor coactivator that directly binds nuclear receptors and stimulates the transcriptional activities in a hormone-dependent fashion. Involved in the coactivation of different nuclear receptors, such as for steroids (PGR, GR and ER), retinoids (RXRs), thyroid hormone (TRs) and prostanoids (PPARs). Also involved in coactivation mediated by STAT3, STAT5A, STAT5B and STAT6 transcription factors. Displays histone acetyltransferase activity toward H3 and H4; the relevance of such activity remains however unclear. Plays a central role in creating multisubunit

coactivator complexes that act via remodeling of chromatin, and possibly acts by participating in both chromatin remodeling and recruitment of general transcription factors. Required with NCOA2 to control energy balance between white and brown adipose tissues. Required for mediating steroid hormone response. Isoform 2 has a higher thyroid hormone-dependent transactivation activity than isoform 1 and isoform 3. [UniProt]

Application Notes

Titration of the SRC-1 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 186-214 from the human protein was used as the immunogen for this SRC-1 antibody.

Storage

Aliquot the SRC-1 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.