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SRC1 Antibody (N-term)

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP7570a

Specification

SRC1 Antibody (N-term) - Product Information

Application	**WB,E**
Primary Accession	Q15788
Other Accession	Q4PJW2
Reactivity	**Human**
Predicted	**Pig**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**156757**
Antigen Region	**186-214**

SRC1 Antibody (N-term) - Additional Information

Gene ID 8648

Other Names
Nuclear receptor coactivator 1, NCoA-1, Class E basic helix-loop-helix protein 74, bHLHe74, Protein Hin-2, RIP160, Renal carcinoma antigen NY-REN-52, Steroid receptor coactivator 1, SRC-1, NCOA1, BHLHE74, SRC1

Target/Specificity
This SRC1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 186-214 amino acids from the N-terminal region of human SRC1.

Dilution
WB~~1:1000

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
SRC1 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

SRC1 Antibody (N-term) - Protein Information

Name NCOA1

Synonyms BHLHE74, SRC1

Function 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.

Cellular Location
Nucleus {ECO:0000255|PROSITE-ProRule:PRU00981}.

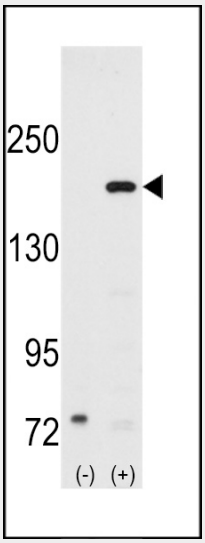
Tissue Location
Widely expressed.

SRC1 Antibody (N-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

SRC1 Antibody (N-term) - Images



Western blot analysis of SRC1 (arrow) using rabbit polyclonal SRC1 Antibody (N-term) (Cat.#AP7570a). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently

transfected with the SRC1 gene (Lane 2) (Origene Technologies).

SRC1 Antibody (N-term) - Background

SRC1 acts as a transcriptional coactivator for steroid and nuclear hormone receptors. It is a member of the p160/steroid receptor coactivator (SRC) family and like other family members has histone acetyltransferase activity and contains a nuclear localization signal, as well as bHLH and PAS domains. This protein binds nuclear receptors directly and stimulates the transcriptional activities in a hormone-dependent fashion.

SRC1 Antibody (N-term) - References

Lavery,D.N.,Biochemistry 47 (11), 3352-3359 (2008)
Wang,S., J. Biol. Chem. 282 (5), 2765-2775 (2007)