

SRC1 Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP7570a**Specification****SRC1 Antibody (N-term) Blocking Peptide - Product Information**Primary Accession [Q15788](#)**SRC1 Antibody (N-term) Blocking Peptide - 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

The synthetic peptide sequence used to generate the antibody AP7570a was selected from the N-term region of human SRC1. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

SRC1 Antibody (N-term) Blocking Peptide - 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) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

SRC1 Antibody (N-term) Blocking Peptide - Images**SRC1 Antibody (N-term) Blocking Peptide - 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) Blocking Peptide - References

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