10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.622.0609

SRC1 Antibody (C-term) Blocking Peptide

Synthetic peptide
Catalog # BP7570b

Specification

SRC1 Antibody (C-term) Blocking Peptide - Product Information

Primary Accession Q15788

SRC1 Antibody (C-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 AP7570b was selected from the C-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 (C-term) Blocking Peptide - Protein Information

SRC1 Antibody (C-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 (C-term) Blocking Peptide - References

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

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 (C-term) Blocking Peptide - Protocols

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

- Blocking Peptides