

NCOA1 / SRC-1 Antibody (aa477-947, clone 1135)
Mouse Monoclonal Antibody
Catalog # ALS11864**Specification**

NCOA1 / SRC-1 Antibody (aa477-947, clone 1135) - Product Information

Application	IHC
Primary Accession	Q15788
Reactivity	Human, Mouse, Rat, Monkey
Host	Mouse
Clonality	Monoclonal
Calculated MW	157kDa KDa

NCOA1 / SRC-1 Antibody (aa477-947, clone 1135) - Additional Information**Gene ID** 8648**Other Names**

Nuclear receptor coactivator 1, NCoA-1, 2.3.1.48, 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

Amino acids 477-947 of human SRC-1.

Reconstitution & Storage

+4°C or -20°C, Avoid repeated freezing and thawing.

Precautions

NCOA1 / SRC-1 Antibody (aa477-947, clone 1135) is for research use only and not for use in diagnostic or therapeutic procedures.

NCOA1 / SRC-1 Antibody (aa477-947, clone 1135) - 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}.

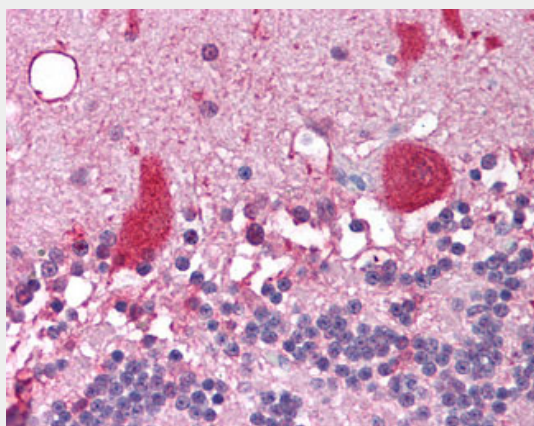
Tissue Location

Widely expressed.

NCOA1 / SRC-1 Antibody (aa477-947, clone 1135) - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

NCOA1 / SRC-1 Antibody (aa477-947, clone 1135) - Images

Anti-NCOA1 antibody IHC of human brain, cerebellum.

NCOA1 / SRC-1 Antibody (aa477-947, clone 1135) - Background

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.

NCOA1 / SRC-1 Antibody (aa477-947, clone 1135) - References

Takeshita A.,et al.Endocrinology 137:3594-3597(1996).
Kalkhoven E.,et al.EMBO J. 17:232-243(1998).
Onate S.A.,et al.J. Biol. Chem. 273:12101-12108(1998).
Hillier L.W.,et al.Nature 434:724-731(2005).
Mural R.J.,et al.Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.