10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Anti-KAT13A / SRC1 Monoclonal Antibody
Catalog # ABO14670

Specification

Anti-KAT13A / SRC1 Monoclonal Antibody - Product Information

Application	**WB, IHC, IP**
Primary Accession	Q15788
Host	**Rabbit**
Isotype	**Rabbit IgG**
Reactivity	**Human**
Clonality	**Monoclonal**
Format	**Liquid**

Description
Anti-KAT13A / SRC1 Monoclonal Antibody . Tested in WB, IHC, IP applications. This antibody reacts with Human.

Anti-KAT13A / SRC1 Monoclonal Antibody - 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

Application Details
WB 1:500-1:2000
IHC 1:50-1:200
IP 1:50

Contents
Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.

Immunogen
A synthesized peptide derived from human KAT13A / SRC1 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).

Purification
Affinity-chromatography

Storage	**Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.**

Anti-KAT13A / SRC1 Monoclonal Antibody - Protein Information

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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}.

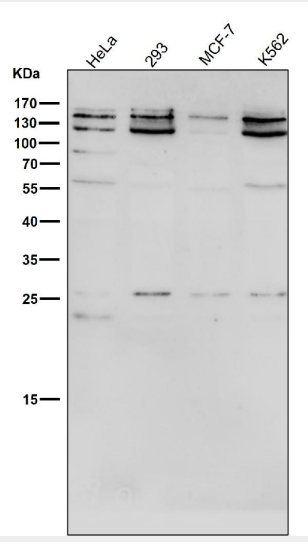
Tissue Location
Widely expressed.

Anti-KAT13A / SRC1 Monoclonal Antibody - 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

Anti-KAT13A / SRC1 Monoclonal Antibody - Images



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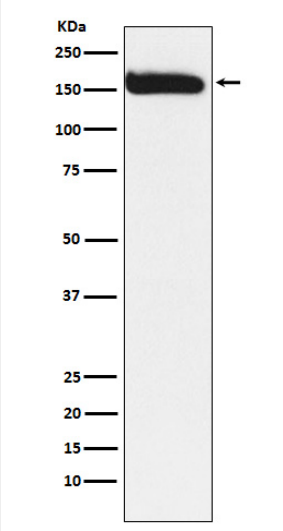
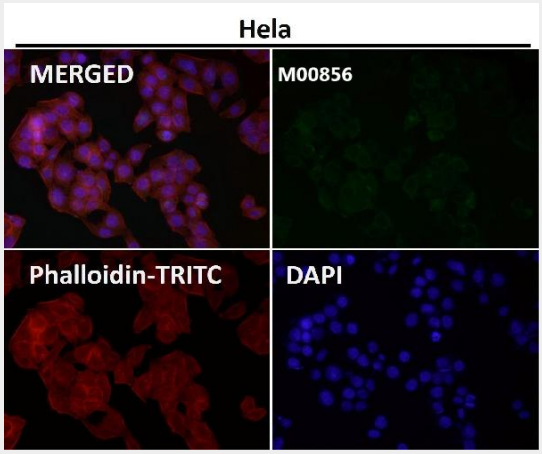
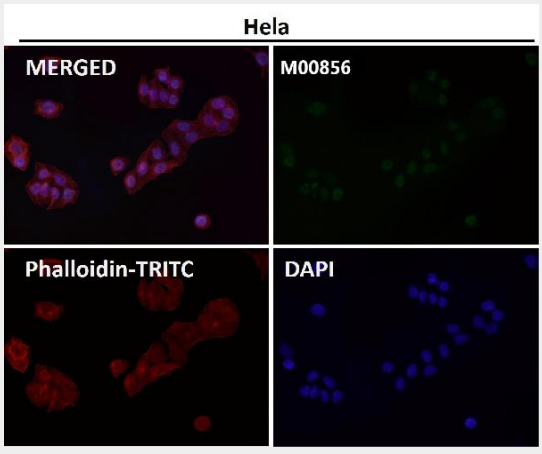
All lanes use the Antibody at 1:2K dilution for 1 hour at room temperature.



Western blot analysis of KAT13A / SRC1 expression in HEK293 cell lysate.



Immunofluorescent analysis using the Antibody at 1:50 dilution.



Immunofluorescent analysis using the Antibody at 1:50 dilution.