

Rabbit anti-Human NCOA2 Polyclonal Antibody | anti-NCOA2 antibody

Anti-NCOA2 Antibody Picoband

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA127079	Rabbit	Human	ELISA, Flow Cytometry, Functional Assay, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

NCOA2; Polyclonal Antibody; Anti-NCOA2 Antibody Picoband; nuclear receptor coactivator 2; BHLHE75; SRC2; TIF2; Nuclear receptor coactivator 2; NCoA-2; Class E basic helix-loop-helix protein 75; bHLHe75; Transcriptional intermediary factor 2; hTIF2; anti-NCOA2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized. Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na2HPO4.
Applicable Applications for anti-NCOA2 antibody	ELISA, FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	E coli-derived human NCOA2 recombinant protein (Position: E297-E1071). Human NCOA2 shares 93.4% and 90.8% amino acid (aa) sequence identity with mouse and rat NCOA2, respectively.
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500ug/ml.
Cross Reactivity	No cross-reactivity with other proteins
Preparation and Storage	At -20 degree C for one year from date of receipt. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for six months.Avoid repeated freezing and thawing.

IMAGES



FCM/FACS (Flow Cytometry)

Figure 3. Flow Cytometry analysis of 293T cells using anti-NCOA2 antibody (AAA127079).Overlay histogram showing 293T cells stained with AAA127079 (Blue line). To facilitate intracellular staining, cells were fixed with 4% paraformaldehyde and permeabilized with permeabilization buffer. The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-NCOA2 Antibody (AAA127079, 1ug/1x106 cells) for 30 min at 20 degree C. DyLight488 conjugated goat anti-rabbit IgG was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1ug/1x106) used under the same conditions. Unlabelled sample without incubation with primary antibody and secondary antibody (Red line) was used as a blank control.



IHC (Immunohistochemistry)

Figure 2. IHC analysis of NCOA2 using anti-NCOA2 antibody (AAA127079).NCOA2 was detected in a paraffin-embedded section of human prostate hyperplasia tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2ug/ml rabbit anti-NCOA2 Antibody (AAA127079) overnight at 4 degree C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit with DAB as the chromogen.



WB (Western Blot)

Figure 1. Western blot analysis of NCOA2 using anti-NCOA2 antibody (AAA127079). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel)/90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions. Lane 1: human 293T whole cell lysates, Lane 2: human HepG2 whole cell lysates. After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-NCOA2 antigen affinity purified polyclonal antibody (#AAA127079) at 0.5ug/mL overnight at 4 degree C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for NCOA2 at approximately 159 kDa. The expected band size for NCOA2 is at 159 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-NCOA2 antibody	The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Product Categories/Family for anti-NCOA2 antibody	Primary Antibodies
References	1. Aikawa, Y., Katsumoto, T., Zhang, P., Shima, H., Shino, M., Terui, K., Ito, E., Ohno, H., Stanley, E. R., Singh, H., Tenen, D. G., Kitabayashi, I. PU.1-mediated upregulation of CSF1R is crucial for leukemia stem cell potential induced by MOZ-TIF2. (Letter) Nature Med. 16: 580-585, 2010.2. Carapeti, M., Aguiar, R. C., Goldman, J. M., Cross, N. C. P. A novel fusion between MOZ and the nuclear receptor coactivator TIF2 in acute myeloid leukemia. Blood 91: 3127-3133, 1998.3. Chen, S. L., Dowhan, D. H., Hosking, B. M., Muscat, G. E. O. The steroid receptor coactivator, GRIP-1, is necessary for MEF-2C-dependent gene expression and skeletal muscle differentiation. Genes Dev. 14: 1209-1228, 2000.

NCBI AND UNIPROT INFORMATION

NCBI GI #	5729858
NCBI GeneID	10499
NCBI Accession #	NP_006531.1
NCBI GenBank Nucleotide #	NM_006540.2
UniProt Accession #	Q15596; Q14CD2
Molecular Weight	159,157 Da
NCBI Official Full Name	nuclear receptor coactivator 2
NCBI Official Synonym Full Names	nuclear receptor coactivator 2
NCBI Official Symbol	NCOA2
NCBI Official Synonym Symbols	SRC2; TIF2; GRIP1; KAT13C; NCoA-2; bHLHe75
NCBI Protein Information	nuclear receptor coactivator 2; hTIF2; transcriptional intermediary factor 2; class E basic helix-loop-helix protein 75; glucocorticoid receptor-interacting protein-1
UniProt Protein Name	Nuclear receptor coactivator 2
UniProt Gene Name	NCOA2
UniProt Synonym Gene Names	BHLHE75; TIF2; NCoA-2; bHLHe75; hTIF2

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/ncoa2-antibody-flow-cytometry-immunohistochemistry-western-blot-elisa/127079>