

Rabbit anti-Human DAX-1/NR0B1 Polyclonal Antibody | anti-DAX-1/NR0B1 antibody

Anti-DAX-1/NR0B1 Antibody Picoband

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA127063	Rabbit	Human	Western Blot, Immunofluorescence, Immunocytochemistry, ELISA

PRODUCT SYNONYMS

DAX-1/NR0B1; Polyclonal Antibody; Anti-DAX-1/NR0B1 Antibody Picoband; Platelet endothelial cell adhesion molecule; natural cytotoxicity triggering receptor 1; Natural cytotoxicity triggering receptor 1; Lymphocyte antigen 94 homolog; NK cell-activating receptor; Natural killer cell p46-related protein; NK-p46; NKp46; hNKp46; CD335; NCR1; LY94; anti-DAX-1/NR0B1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Selectively expressed by both resting and activated NK cells.
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized. Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Applicable Applications for anti-DAX-1/NR0B1 antibody	WB (Western Blot), IF (Immunofluorescence), ICC (Immunocytochemistry), ELISA
Immunogen	E coli-derived human DAX-1/NR0B1 recombinant protein (Position: V126-Q404).
Subcellular Localization	Cell membrane, Single-pass type I membrane protein
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500ug/ml.
Cross Reactivity	No cross-reactivity with other proteins.
Protein Function	Cytotoxicity-activating receptor that may contribute to the increased efficiency of activated natural killer (NK) cells to mediate tumor cell lysis.
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



IF (Immunofluorescence)

Figure 2. IF analysis of DAX-1/NR0B1 using anti-DAX-1/NR0B1 antibody (AAA127063) and anti-Beta Tubulin antibody (M01857-3).DAX-1/NR0B1 was detected in immunocytochemical section of A549 cell. Enzyme antigen retrieval was performed using IHC enzyme antigen retrieval reagent for 15 mins. The cells were blocked with 10% goat serum. And then incubated with 5ug/mL rabbit anti-DAX-1/NR0B1 Antibody (AAA127063) and mouse anti-Beta Tubulin antibody (M01857-3) overnight at 4 degree C. DyLight488 Conjugated Goat Anti-Rabbit IgG and Cy3 Conjugated Goat Anti-Mouse IgG (BA1031) were used as secondary antibody at 1:500 dilution and incubated for 30 minutes at 37 degree C. Visualize using a fluorescence microscope and filter sets appropriate for the label used.



WB (Western Blot)

Figure 1. Western blot analysis of DAX-1/NR0B1 using anti-DAX-1/NR0B1 antibody (AAA127063).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 MCF-7 whole cell lysates,Lane 2: human Hela whole cell lysates,Lane 3: human Jurkat whole cell lysates,Lane 4: human U87 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-DAX-1/NR0B1 antigen affinity purified polyclonal antibody (#AAA127063) 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 DAX-1/NR0B1 at approximately 48 kDa. The expected band size for DAX-1/NR0B1 is at 48 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-DAX-1/NR0B1 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-DAX-1/NR0B1 antibody	Primary Antibodies ; Adapters ; Adaptive Immunity ; Immunology ; Signal Transduction ; T Cells ; Transmembrane
References	1. Achermann, J. C., Gu, W.-X., Kotlar, T. J., Meeks, J. J., Sabacan, L. P., Seminara, S. B., Habiby, R. L., Hindmarsh, P. C., Bick, D. P., Sherins, R. J., Crowley, W. F., Jr., Layman, L. C., Jameson, J. L. Mutational analysis of DAX1 in patients with hypogonadotropic hypogonadism or pubertal delay. J. Clin. Endocr. Metab. 84: 4497-4500, 1999. 2. Achermann, J. C., Ito, M., Ito, M., Hindmarsh, P. C., Jameson, J. L. A mutation in the gene encoding steroidogenic factor-1 causes XY sex reversal and adrenal failure in humans. (Letter) Nature Genet. 22: 125-126, 1999.3. Achermann, J. C., Silverman, B. L., Habiby, R. L., Jameson, J. L. Presymptomatic diagnosis of X-linked adrenal hypoplasia congenita by analysis of DAX1. J. Pediat. 137: 878-881, 2000.

NCBI AND UNIPROT INFORMATION

NCBI GI #	20532385
NCBI GeneID	190
UniProt Accession #	P51843; Q96F69
Molecular Weight	470
NCBI Official Full Name	Nuclear receptor subfamily 0 group B member 1
NCBI Official Synonym Full Names	nuclear receptor subfamily 0, group B, member 1
NCBI Official Symbol	NR0B1
NCBI Official Synonym Symbols	AHC; AHX; DSS; GTD; HHG; AHCH; DAX1; DAX-1; NROB1; SRXY2
NCBI Protein Information	nuclear receptor subfamily 0 group B member 1; nuclear receptor DAX-1; nuclear hormone receptor; DSS-AHC critical region on the X chromosome protein 1
UniProt Protein Name	Nuclear receptor subfamily 0 group B member 1
UniProt Gene Name	NR0B1
UniProt Synonym Gene Names	AHC; DAX1
UniProt Entry Name	NR0B1_HUMAN

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/dax-1-nr0b1-antibody-western-blot-immunofluorescence-immunocytochemistry-elisa/127063>