

Rabbit NR2C2 Polyclonal Antibody | anti-NR2C2 antibody

Anti-NR2C2 Antibody Picoband

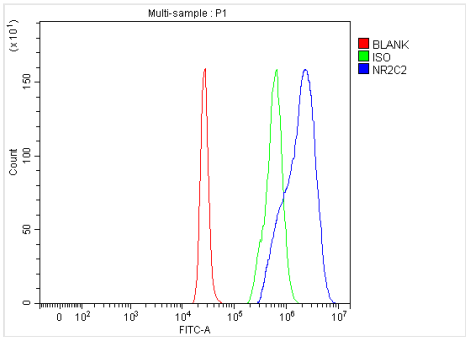
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA127140	Rabbit	Human, Monkey, Mouse, Rat	Flow Cytometry, Functional Assay, Western Blot, Immunohistochemistry, ELISA

PRODUCT SYNONYMS

NR2C2; Polyclonal Antibody; Anti-NR2C2 Antibody Picoband; Neutrophil-activating peptide 2; Platelet basic protein; PBP; C-X-C motif chemokine 7; Leukocyte-derived growth factor; LDGF; Macrophage-derived growth factor; MDGF; Small-inducible cytokine B7; PPBP; CTAP3; CXCL7; SCYB7; TGB1; THGB1; NAP-2; anti-NR2C2 antibody

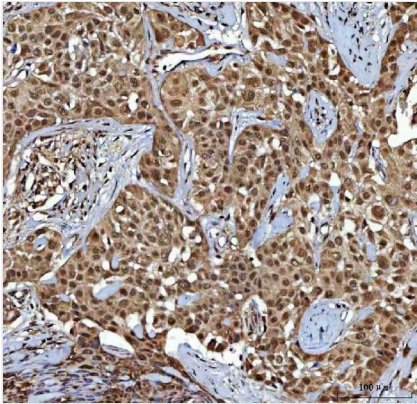
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Monkey, Mouse, Rat
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 Na ₂ HPO ₄ .
Applicable Applications for anti-NR2C2 antibody	FCM/FACS (Flow Cytometry), WB (Western Blot), IHC (Immunohistochemistry), ELISA
Immunogen	E coli-derived human NR2C2 recombinant protein (Position: R7-L596).
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	LA-PF4 stimulates DNA synthesis, mitosis, glycolysis, intracellular cAMP accumulation, prostaglandin E2 secretion, and synthesis of hyaluronic acid and sulfated glycosaminoglycan. It also stimulates the formation and secretion of plasminogen activator by human synovial cells. NAP-2 is a ligand for CXCR1 and CXCR2, and NAP-2, NAP-2 (73), NAP-2 (74), NAP-2 (1-66), and most potent NAP-2 (1-63) are chemoattractants and activators for neutrophils. TC-1 and TC-2 are antibacterial proteins, in vitro released from activated platelet alpha-granules. CTAP-III (1-81) is more potent than CTAP-III desensitize chemokine-induced neutrophil activation.
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.



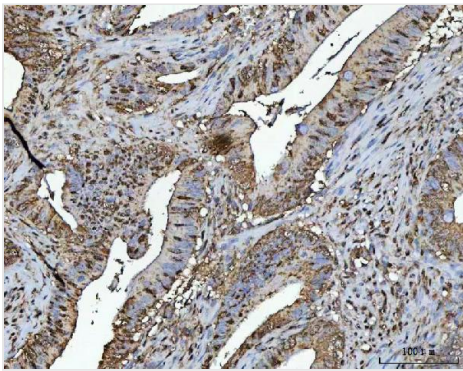
FCM/FACS (Flow Cytometry)

Figure 4. Flow Cytometry analysis of 293T cells using anti-NR2C2 antibody (AAA127140).Overlay histogram showing 293T cells stained with AAA127140 (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-NR2C2 Antibody (AAA127140, 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 (Red line) was also used as a control.



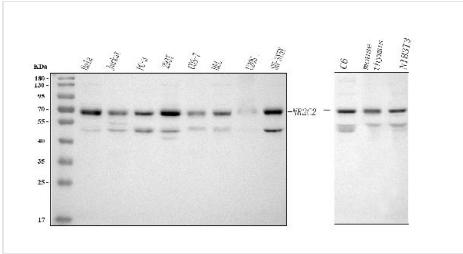
IHC (Immunohistochemistry)

Figure 2. IHC analysis of NR2C2 using anti-NR2C2 antibody (AAA127140).NR2C2 was detected in a paraffin-embedded section of human acinar cell carcinoma parotid 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-NR2C2 Antibody (AAA127140) 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.



IHC (Immunohistochemistry)

Figure 3. IHC analysis of NR2C2 using anti-NR2C2 antibody (AAA127140).NR2C2 was detected in a paraffin-embedded section of human colorectal adenocarcinoma 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-NR2C2 Antibody (AAA127140) 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 NR2C2 using anti-NR2C2 antibody (AAA127140).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 HeLa whole cell lysates,Lane 2: human Jurkat whole cell lysates,Lane 3: human PC-3 whole cell lysates,Lane 4: human 293T whole cell lysates,Lane 5: monkey COS-7 whole cell lysates,Lane 6: human HEL whole cell lysates,Lane 7: human U2OS whole cell lysates,Lane 8: human SH-SY5Y whole cell lysates,Lane 9: rat C6 whole cell lysates,Lane 10: mouse thymus tissue lysates,Lane 11: mouse NIH/3T3 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-NR2C2 antigen affinity purified polyclonal antibody (#AAA127140) 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 NR2C2 at approximately 68 kDa. The expected band size for NR2C2 is at 68 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-NR2C2 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-NR2C2 antibody	Primary Antibodies; Cardiovascular; Chemokines; Immunology; Innate Immunity; Platelets

References	1. Chang, C., da Silva, S. L., Ideta, R., Lee, Y., Yeh, S., Burbach, J. P. H. Human and rat TR4 orphan receptors specify a subclass of the steroid receptor superfamily. Proc. Nat. Acad. Sci. 91: 6040-6044, 1994. 2. Chang, C., Kokontis, J., Acakpo-Satchivi, L., Liao, S., Takeda, H., Chang, Y. Molecular cloning of new human TR2 receptors: a class of steroid receptor with multiple ligand-binding domains. Biochem. Biophys. Res. Commun. 165: 735-741, 1989. 3. Chen, Y.-T., Collins, L. L., Uno, H., Chang, C. Deficits in motor coordination with aberrant cerebellar development in mice lacking testicular orphan nuclear receptor 4. Molec. Cell. Biol. 25: 2722-2732, 2005.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	36950991
NCBI GeneID	7182
NCBI Accession #	NP_003289.2
NCBI GenBank Nucleotide #	NM_003298.4
UniProt Accession #	P49116; P55092; A8K3H5; B6ZGT8
Molecular Weight	67,345 Da
NCBI Official Full Name	nuclear receptor subfamily 2 group C member 2 isoform 1
NCBI Official Synonym Full Names	nuclear receptor subfamily 2, group C, member 2
NCBI Official Symbol	NR2C2
NCBI Official Synonym Symbols	TR4; TAK1
NCBI Protein Information	nuclear receptor subfamily 2 group C member 2; orphan nuclear receptor TR4; Nuclear hormone receptor TR4; orphan nuclear receptor TAK1; testicular nuclear receptor 4
UniProt Protein Name	Nuclear receptor subfamily 2 group C member 2
UniProt Gene Name	NR2C2
UniProt Synonym Gene Names	TAK1; TR4
UniProt Entry Name	NR2C2_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.