

Rabbit anti-Human NR5A2 Polyclonal Antibody | anti-NR5A2 antibody

Anti-NR5A2 Antibody Picoband

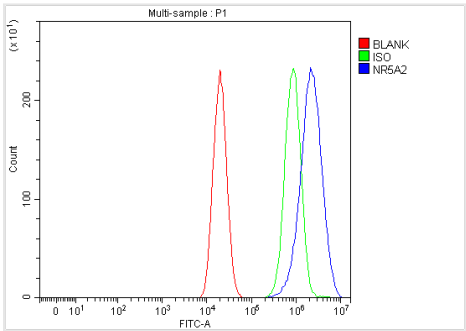
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA127052	Rabbit	Human	ELISA, Flow Cytometry, Functional Assay, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

NR5A2; Polyclonal Antibody; Anti-NR5A2 Antibody Picoband; Protein NDRG1; Forkhead box protein P2; CAG repeat protein 44; Trinucleotide repeat-containing gene 10 protein; FOXP2; CAGH44; TNRC10; anti-NR5A2 antibody

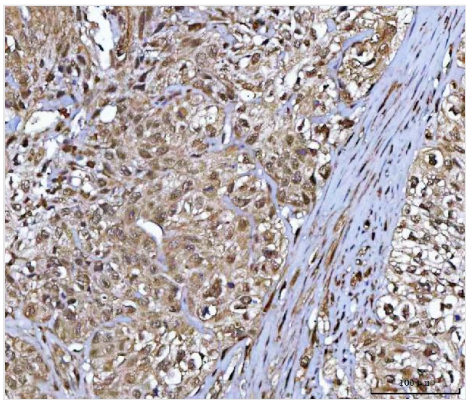
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Isoform 1 and isoform 6 areExpressed in adult and fetal brain, caudate nucleus and lung.
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-NR5A2 antibody	ELISA, FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	E coli-derived human NR5A2 recombinant protein (Position: K192-A508).
Subcellular Localization	Nucleus
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	Transcriptional repressor that may play a role in the specification and differentiation of lung epithelium. May also play a role in developing neural, gastrointestinal and cardiovascular tissues. Can act with CTBP1 to synergistically repress transcription but CTBP1 is not essential. Plays a role in synapse formation by regulating SRPX2 levels. Involved in neural mechanisms mediating the development of speech and language.
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.



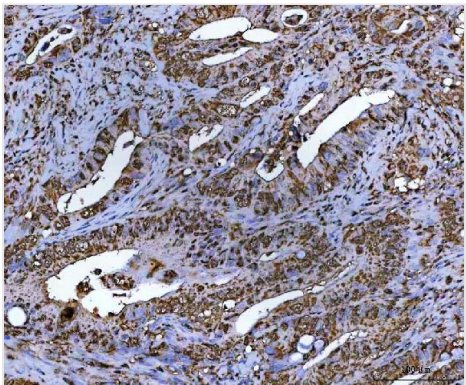
FCM/FACS (Flow Cytometry)

Figure 5. Flow Cytometry analysis of CACO-2 cells using anti-NR5A2 antibody (AAA127052).Overlay histogram showing CACO-2 cells stained with AAA127052 (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-NR5A2 Antibody (AAA127052, 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.



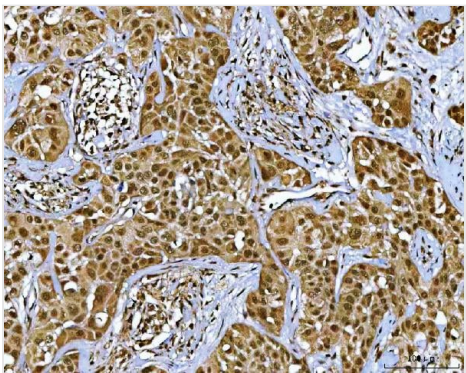
IHC (Immunohistochemisry)

Figure 3. IHC analysis of NR5A2 using anti-NR5A2 antibody (AAA127052).NR5A2 was detected in a paraffin-embedded section of human bladder urothelial carcinoma 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-NR5A2 Antibody (AAA127052) 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.



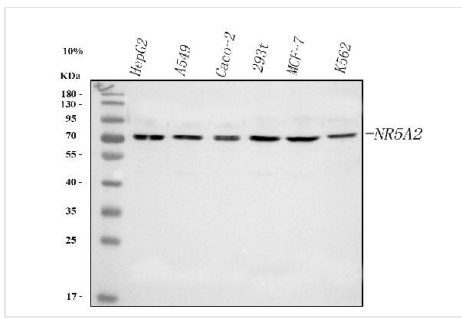
IHC (Immunohistochemistry)

Figure 4. IHC analysis of NR5A2 using anti-NR5A2 antibody (AAA127052).NR5A2 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-NR5A2 Antibody (AAA127052) 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 (Immunohiostchemistry)

Figure 2. IHC analysis of NR5A2 using anti-NR5A2 antibody (AAA127052).NR5A2 was detected in a paraffin-embedded section of human parotid acinar cell carcinoma 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-NR5A2 Antibody (AAA127052) 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 NR5A2 using anti-NR5A2 antibody (AAA127052). 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 HepG2 whole cell lysates, Lane 2: human A549 whole cell lysates, Lane 3: human Caco-2 whole cell lysates, Lane 4: human 293T whole cell lysates, Lane 5: human MCF-7 whole cell lysates, Lane 6: human K562 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-NR5A2 antigen affinity purified polyclonal antibody (#AAA127052) 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 NR5A2 at approximately 70 kDa. The expected band size for NR5A2 is at 61 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-NR5A2 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-NR5A2 antibody	Primary Antibodies ; Epigenetics and Nuclear Signaling ; Forkhead Box ; Transcription
References	1. Goodwin, B., Jones, S. A., Price, R. R., Watson, M. A., McKee, D. D., Moore, L. B., Galardi, C., Wilson, J. G., Lewis, M. C., Roth, M. E., Maloney, P. R., Willson, T. M., Kliewer, S. A. A regulatory cascade of the nuclear receptors FXR, SHP-1, and LRH-1 represses bile acid biosynthesis. <i>Molec. Cell</i> 6: 517-526, 2000.2. Gu, P.; Goodwin, B.; Chung, A. C. -K.; Xu, X.; Wheeler, D. A.; Price, R. R.; Galardi, C.; Peng, L.; Latour, A. M.; Koller, B. H.; Gossen, J.; Kliewer, S. A.; Cooney, A. J. (2005). "Orphan Nuclear Receptor LRH-1 is Required to Maintain Oct4 Expression at the Epiblast Stage of Embryonic Development". <i>Molecular and Cellular Biology</i> 25(9): 3492-3505.

NCBI AND UNIPROT INFORMATION

NCBI GI #	451172094
NCBI GeneID	2494
NCBI Accession #	NP_001263393.1
NCBI GenBank Nucleotide #	NM_001276464.1
UniProt Accession #	O00482 ; O95642 ; Q147U3 ; B4E2P3
Molecular Weight	53,657 Da
NCBI Official Full Name	nuclear receptor subfamily 5 group A member 2 isoform 3
NCBI Official Synonym Full Names	nuclear receptor subfamily 5 group A member 2
NCBI Official Symbol	NR5A2
NCBI Official Synonym Symbols	B1F; CPF; FTF; B1F2; LRH1; LRH-1; FTZ-F1; hB1F-2; FTZ-F1beta
NCBI Protein Information	nuclear receptor subfamily 5 group A member 2

UniProt Protein Name	Nuclear receptor subfamily 5 group A member 2
UniProt Gene Name	NR5A2
UniProt Synonym Gene Names	B1F; CPF; FTF; hB1F; LRH-1
UniProt Entry Name	NR5A2_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/nr5a2-antibody-flow-cytometry-immunohistochemistry-western-blot-elisa/127052>