

Rabbit ANKRD1 Polyclonal Antibody | anti-ANKRD1 antibody

Anti-ANKRD1 Antibody Picoband

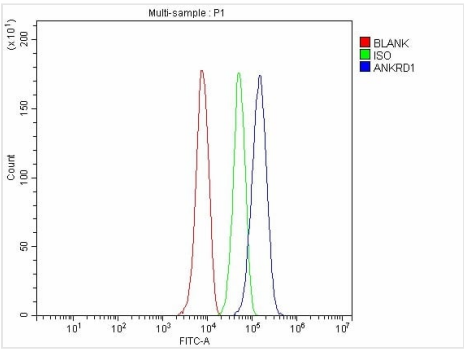
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA127245	Rabbit	Human, Mouse, Rat	ELISA, Western Blot

PRODUCT SYNONYMS

ANKRD1; Polyclonal Antibody; Anti-ANKRD1 Antibody Picoband; anti-ANKRD1 antibody

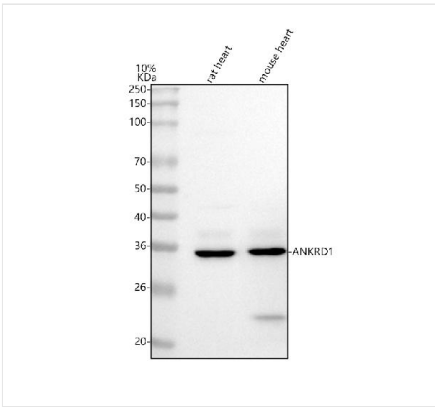
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
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-ANKRD1 antibody	ELISA, WB (Western Blot)
Immunogen	E coli-derived human ANKRD1 recombinant protein (Position: D120-F319). Human ANKRD1 shares 93.5% and 95% amino acid (aa) sequence identity with mouse and rat ANKRD1, respectively.
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500ug/ml.
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 2. Flow Cytometry analysis of HepG2 cells using anti-ANKRD1 antibody (AAA127245). Overlay histogram showing HepG2 cells stained with AAA127245 (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-ANKRD1 Antibody (AAA127245, 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.



WB (Western Blot)

Figure 1. Western blot analysis of ANKRD1 using anti-ANKRD1 antibody (AAA127245). 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: rat heart tissue lysates, Lane 2: mouse heart tissue 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-ANKRD1 antigen affinity purified polyclonal antibody (#AAA127245) 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 ANKRD1 at approximately 36 kDa. The expected band size for ANKRD1 is at 36 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-ANKRD1 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-ANKRD1 antibody	Primary Antibodies
References	1. Chu, W., Burns, D. K., Swerlick, R. A., Presky, D. H. Identification and characterization of a novel cytokine-inducible nuclear protein from human endothelial cells. J. Biol. Chem. 270: 10236-10245, 1995. 2. de Waard, V., van Achterberg, T. A. E., Beauchamp, N. J., Pannekoek, H., de Vries, C. J. M. Cardiac ankyrin repeat protein (CARP) expression in human and murine atherosclerotic lesions: activin induces Carp in smooth muscle cells. Arterioscler. Thromb. Vasc. Biol. 23: 64-68, 2003. 3. Kanai, H., Tanaka, T., Aihara, Y., Takeda, S., Kawabata, M., Miyazono, K., Nagai, R., Kurabayashi, M. Transforming growth factor-beta/Smads signaling induces transcription of the cell type-restricted ankyrin repeat protein CARP gene through CAGA motif in vascular smooth muscle cells. Circ. Res. 88: 30-36, 2001.

NCBI AND UNIPROT INFORMATION

NCBI GI #	38327522
NCBI GeneID	27063
NCBI Accession #	NP_055206.2
NCBI GenBank Nucleotide #	NM_014391.2
UniProt Accession #	Q15327; Q96LE7
Molecular Weight	36,252 Da
NCBI Official Full Name	ankyrin repeat domain-containing protein 1
NCBI Official Synonym Full Names	ankyrin repeat domain 1 (cardiac muscle)

NCBI Official Symbol	ANKRD1
NCBI Official Synonym Symbols	ALRP; CARP; C-193; CVARP; MCARP; bA320F15.2
NCBI Protein Information	ankyrin repeat domain-containing protein 1; liver ankyrin repeat domain 1; cardiac ankyrin repeat protein; cytokine-inducible nuclear protein; cytokine-inducible gene C-193 protein
UniProt Protein Name	Ankyrin repeat domain-containing protein 1
UniProt Gene Name	ANKRD1
UniProt Synonym Gene Names	C193; CARP; HA1A2
UniProt Entry Name	ANKR1_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/ankrd1-antibody-western-blot-elisa/127245>