

Rabbit Annexin A2/ANXA2 Polyclonal Antibody | anti-ANXA2 antibody

Anti-Annexin A2/ANXA2 Antibody Picoband

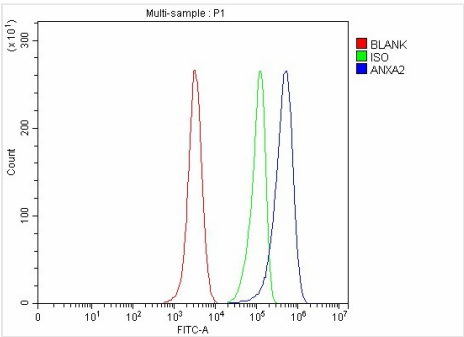
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA127016	Rabbit	Human, Mouse, Rat	Flow Cytometry, Functional Assay, Western Blot

PRODUCT SYNONYMS

Annexin A2/ANXA2; Polyclonal Antibody; Anti-Annexin A2/ANXA2 Antibody Picoband; anti-ANXA2 antibody

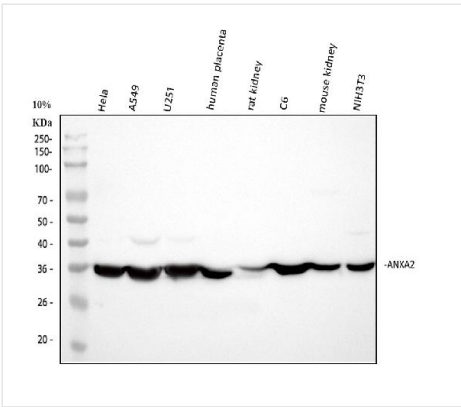
PRODUCT SPECIFICATIONS

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-ANXA2 antibody	FCM/FACS (Flow Cytometry), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to a sequence at the N-terminus of human ANXA2, which shares 92.9% and 100% amino acid (aa) sequence identity with mouse and rat ANXA2, 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 Hela cells using anti-Annexin A2/ANXA2 antibody (AAA127016).Overlay histogram showing Hela cells stained with AAA127016 (Blue line). The cells were fixed with 4% paraformaldehyde and blocked with 10% normal goat serum. And then incubated with rabbit anti-Annexin A2/ANXA2 Antibody (AAA127016, 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 Annexin A2/ANXA2 using anti-Annexin A2/ANXA2 antibody (AAA127016).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 A549 whole cell lysates,Lane 3: human U251 whole cell lysates,Lane 4: human placenta tissue lysates,Lane 5: rat kidney tissue lysates,Lane 6: rat C6 whole cell lysates,Lane 7: mouse kidney tissue lysates,Lane 8: 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-Annexin A2/ANXA2 antigen affinity purified polyclonal antibody (#AAA127016) 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 Annexin A2/ANXA2 at approximately 36 kDa. The expected band size for Annexin A2/ANXA2 is at 39 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-ANXA2 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-ANXA2 antibody	Primary Antibodies
References	1. Huang, K.-S., Wallner, B. P., Mattaliano, R. J., Tizard, R., Burne, C., Frey, A., Hession, C., McGray, P., Sinclair, L. K., Chow, E. P., Browning, J. L., Ramachandran, K. L., Tang, J., Smart, J. E., Pepinsky, R. B. Two human 35 kd inhibitors of phospholipase A2 are related to substrates of pp60(v-src) and of the epidermal growth factor receptor/kinase. Cell 46: 191-199, 1986.2. Huebner, K., Cannizzaro, L. A., Croce, C. M., Frey, A. Z., Wallner, B. P., Hecht, B. K., Hecht, F. Chromosome localization of the human genes for lipocortin I and the lipocortin II family. (Abstract) Cytogenet. Cell Genet. 46: 631 only, 1987.3. Huebner, K., Cannizzaro, L. A., Frey, A. Z., Hecht, B. K., Hecht, F., Croce, C. M., Wallner, B. P. Chromosomal localization of the human genes for lipocortin I and lipocortin II. Oncogene Res. 2: 299-310, 1988.

NCBI AND UNIPROT INFORMATION

NCBI GI #	50845386
NCBI GeneID	302
NCBI Accession #	NP_001002857.1
NCBI GenBank Nucleotide #	NM_001002857.1
UniProt Accession #	P07355; Q567R4; Q6N0B3; Q8TBV2; Q96DD5; Q9UDH8
Molecular Weight	38,604 Da
NCBI Official Full Name	annexin A2 isoform 2

NCBI Official Synonym Full Names	annexin A2
NCBI Official Symbol	ANXA2
NCBI Official Synonym Symbols	P36; ANX2; LIP2; LPC2; CAL1H; LPC2D; ANX2L4; PAP-IV
NCBI Protein Information	annexin A2; annexin-2; protein I; annexin II; lipocortin II; chromobindin 8; chromobindin-8; calpactin I heavy chain; calpactin-1 heavy chain; calpactin I heavy polypeptide; placental anticoagulant protein IV
UniProt Protein Name	Annexin A2
UniProt Gene Name	ANXA2
UniProt Synonym Gene Names	ANX2; ANX2L4; CAL1H; LPC2D; PAP-IV
UniProt Entry Name	ANXA2_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/annexin-a2-anxa2-antibody-flow-cytometry-western-blot-elisa/127016>