

Rabbit anti-Human Annexin V/ANXA5 Polyclonal Antibody | anti-ANXA5 antibody

Anti-Annexin V/ANXA5 Antibody, Rabbit Polyclonal

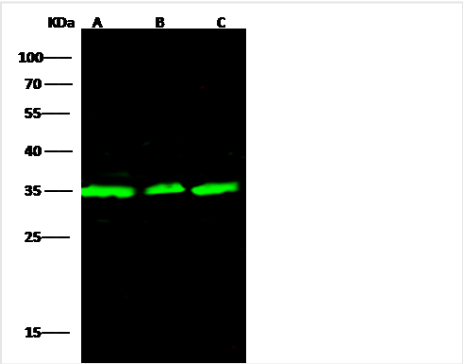
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA254934	Rabbit	Human	Immunoprecipitation, ELISA, Western Blot

PRODUCT SYNONYMS

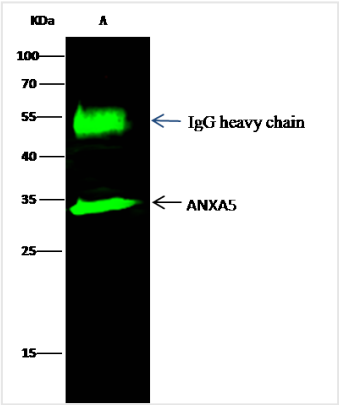
Annexin V/ANXA5; Polyclonal Antibody; Anti-Annexin V/ANXA5 Antibody; Rabbit Polyclonal; ANXA5 Antibody; Rabbit PAb; Antigen Affinity Purified; annexin A5; Anti-ANX5 Antibody; Anti-ENX2 Antibody; Anti-HEL-S-7 Antibody; Anti-PP4 Antibody; Anti-RPRGL3 Antibody; anti-ANXA5 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human Annexin V/ANXA5
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-ANXA5 antibody	IP (Immunoprecipitation), ELISA, WB (Western Blot)
Immunogen	Recombinant Human ANXA5 protein
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with purified, recombinant Human ANXA5 (rh ANXA5). ANXA5 specific IgG was purified by Human ANXA5 affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.



WB (Western Blot)
Anti-ANXA5 rabbit polyclonal antibody at 1:500 dilution
Lane A: HepG2 Whole Cell Lysate
Lane B: Hela Whole Cell Lysate
Lane C: THP1 Whole Cell Lysate
Lysates/proteins at 30 ug per lane. Secondary Goat Anti-Rabbit IgG H&L (Dylight800) at 1/10000 dilution. Developed using the Odyssey technique. Performed under reducing conditions. Predicted band size: 36 kDa
Observed band size: 35 kDa



IP (Immunoprecipitation)
ANXA5 was immunoprecipitated using: Lane A: 0.5 mg Hela Whole Cell Lysate
2 uL anti-ANXA5 rabbit polyclonal antibody and 15 ul of 50 % Protein G agarose.
Primary antibody: Anti-ANXA5 rabbit polyclonal antibody, at 1:200 dilution
Secondary antibody: Dylight 800-labeled antibody to rabbit IgG (H+L), at 1:5000 dilution
Developed using the Odyssey technique. Performed under reducing conditions. Predicted band size: 35 kDa
Observed band size: 35 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-ANXA5 antibody	The placental anticoagulant protein Annexin A5 (ANXA5) is a multifunctional protein that is highly expressed on the apical surfaces of syncytiotrophoblasts, and plays an important role in haemostatic regulations, maintaining blood fluidity of the placenta. Annexin A5 (ANXA5) is a protein abundantly expressed in normal placenta where it contributes to the healthy outcome of a pregnancy. Lower ANXA5 levels have been observed in M2/ANXA5 haplotype carrying chorion. The association found between the maternal carriage of the M2/ANXA5 haplotype and an elevated risk of IUGR and/or PE supports the hypothesis that carrier status of this haplotype and the consequently reduced placental ANXA5 expression might be responsible, at least partially, for the onset of these gestational vascular complications. ANXA5 could be used as a biomarker for the early detection of PE and for the prediction of its severity. ANXA5 as an embryonic anticoagulant that appears deficient in contiguous specter of thrombophilia-related pregnancy complications culminating more frequently in miscarriage in a maternal M2 carrier background. As a potential indicator for malignancy and lymphatic metastasis, ANXA5 overexpression increases in vitro migration and invasion of Hca-P cell, promotes in vivo malignancy, LNM rate and level of Hca-P-transplanted mice. Hereditary thrombophilias can impair vascular placental functions and predispose to the birth of small-for-gestational age (SGA) babies. The placental anticoagulant protein annexin A5 (ANXA5) may contribute to this process. A functional haplotype (M2) within the ANXA5 gene is associated with fetal loss and venous thrombosis.
References	Cederholm A, et al. (2007) Annexin A5 as a novel player in prevention of atherothrombosis in SLE and in the general population. Ann N Y Acad Sci. 1108: 96-103. Schlaepfer DD, et al. (1992) Inhibition of Protein Kinase C by Annexin Iα. Biochemistry. 31: 1886-91. Vermes I, et al. (1995) A novel assay for apoptosis-flow cytometric detection of phosphatidylserine expression on early apoptotic cells using fluorescein labelled Annexin Iα. J Immunol Methods. 184 (1): 39-51.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4502107
NCBI GeneID	308
NCBI Accession #	NP_001145.1
NCBI GenBank Nucleotide #	NM_001154.3
UniProt Accession #	P08758; Q6FHB3; Q6FI16; Q8WV69; Q9UDH9; D3DNW7
Molecular Weight	35,937 Da
NCBI Official Full Name	annexin A5
NCBI Official Synonym Full Names	annexin A5

NCBI Official Symbol	ANXA5
NCBI Official Synonym Symbols	PP4; ANX5; ENX2; RPRGL3; HEL-S-7
NCBI Protein Information	annexin A5; CBP-I; PAP-I; VAC-alpha; annexin V; annexin-5; anchorin CII; endonexin II; lipocortin V; calphobindin I; thromboplastin inhibitor; vascular anticoagulant-alpha; epididymis secretory protein Li 7; placental anticoagulant protein 4; placental an
UniProt Protein Name	Annexin A5
UniProt Gene Name	ANXA5
UniProt Synonym Gene Names	ANX5; ENX2; PP4; CBP-I; PP4; PAP-I; VAC-alpha
UniProt Entry Name	ANXA5_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/annexin-v-anxa5-antibody-immunoprecipitation-western-blot-elisa/254934>