

Rabbit anti-Human GP6 Polyclonal Antibody | anti-GP6 antibody

GP6 Antibody (C-term)

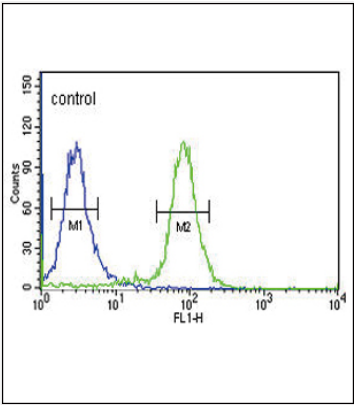
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA288492	Rabbit	Human	Flow Cytometry, Functional Assay, ELISA, Western Blot

PRODUCT SYNONYMS

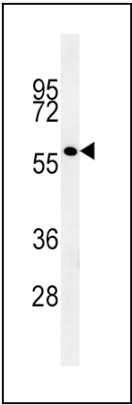
GP6; Polyclonal Antibody; GP6 Antibody (C-term); Platelet glycoprotein VI; GPVI; Glycoprotein 6; anti-GP6 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This GP6 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 309-337 amino acids from the C-terminal region of human GP6.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	309-337
Sequence Length	620
Applicable Applications for anti-GP6 antibody	FCM/FACS (Flow Cytometry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



FCM/FACS (Flow Cytometry)
GP6 Antibody (C-term) flow cytometric analysis of K562 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



WB (Western Blot)
GP6 Antibody (C-term) western blot analysis in K562 cell line lysates (15ug/lane).This demonstrates the GP6 antibody detected the GP6 protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-GP6 antibody	Glycoprotein VI (GP6) is a 58-kD platelet membrane glycoprotein that plays a crucial role in the collagen-induced activation and aggregation of platelets. Upon injury to the vessel wall and subsequent damage to the endothelial lining, exposure of the subendothelial matrix to blood flow results in deposition of platelets. Collagen fibers are the most thrombogenic macromolecular components of the extracellular matrix, with collagen types I, III, and VI being the major forms found in blood vessels. Platelet interaction with collagen occurs as a 2-step procedure: (1) the initial adhesion to collagen is followed by (2) an activation step leading to platelet secretion, recruitment of additional platelets, and aggregation. In physiologic conditions, the resulting platelet plug is the initial hemostatic event limiting blood loss. However, exposure of collagen after rupture of atherosclerotic plaques is a major stimulus of thrombus formation associated with myocardial infarction or stroke (Jandrot-Perrus et al., 2000 [PubMed 10961879]).
Product Categories/Family for anti-GP6 antibody	Cardiovascular
References	Polgar, J., et al. J. Biol. Chem. 272(21):13576-13583(1997) Asselin, J., et al. Blood 89(4):1235-1242(1997) Huang, M.M., et al. Proc. Natl. Acad. Sci. U.S.A. 88(17):7844-7848(1991) Moroi, M., et al. J. Clin. Invest. 84(5):1440-1445(1989)

NCBI AND UNIPROT INFORMATION

NCBI GI #	365192548
NCBI GeneID	51206
NCBI Accession #	NP_001242946.1; NP_057447.4
NCBI GenBank Nucleotide #	NM_001256017.1
UniProt Accession #	Q9HCN6; Q9HCN7; Q9UIF2
Molecular Weight	36866
NCBI Official Full Name	platelet glycoprotein VI isoform 3

NCBI Official Synonym Full Names	glycoprotein VI (platelet)
NCBI Official Symbol	GP6
NCBI Official Synonym Symbols	GPIV; GPVI; BDPLT11
NCBI Protein Information	platelet glycoprotein VI
UniProt Protein Name	Platelet glycoprotein VI
UniProt Gene Name	GP6
UniProt Synonym Gene Names	GPVI
UniProt Entry Name	GPVI_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/gp6-antibody-flow-cytometry-western-blot-elisa/288492>