10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Glycoprotein VI Rabbit pAb

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Catalog # AP59416

Product Information

Application	WB
Primary Accession	Q9HCN6
Reactivity	Rat, Human, Mouse
Predicted	Pig, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	36866
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human GPVI/Glycoprotein VI
Epitope Specificity	121-220/339
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Isoform 1: Cell membrane; Single-pass membrane protein. Isoform 2: Cell membrane; Single-pass membrane protein.
DISEASE	Defects in GP6 are the cause of bleeding disorder platelet-type 11 (BDPLT11) [MIM:614201]. BDPLT11 is a mild to moderate bleeding disorder caused by defective platelet activation and aggregation in response to collagen.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	This gene encodes a platelet membrane glycoprotein of the immunoglobulin superfamily. The encoded protein is a receptor for collagen and plays a critical role in collagen-induced platelet aggregation and thrombus formation. The encoded protein forms a complex with the Fc receptor gamma-chain that initiates the platelet activation signaling cascade upon collagen binding. Mutations in this gene are a cause of platelet-type bleeding disorder-11 (BDPLT11). Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Dec 2011].

Additional Information

Gene ID	51206
Other Names	Platelet glycoprotein VI, GPVI, Glycoprotein 6, GP6 (HGNC:14388)
Dilution	WB=1:500-2000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

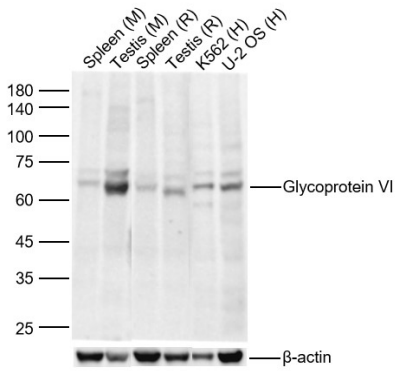
Protein Information

Name	GP6 (HGNC:14388)
Function	Collagen receptor involved in collagen-induced platelet adhesion and activation. Plays a key role in platelet procoagulant activity and subsequent thrombin and fibrin formation. This procoagulant function may contribute to arterial and venous thrombus formation. The signaling pathway involves the FcR gamma-chain, the Src kinases (likely FYN or LYN) and SYK, the adapter protein LAT and leads to the activation of PLCG2.
Cellular Location	[Isoform 1]: Cell membrane; Single-pass membrane protein
Tissue Location	Megakaryocytes and platelets.

Background

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Images



Sample:
Lane 1: Mouse Spleen Lysates
Lane 2: Mouse Testis Lysates
Lane 3: Rat Spleen Lysates
Lane 4: Rat Testis Lysates
Lane 5: Human K562 cell Lysates
Lane 6: Human U-2 OS cell Lysates

Primary: Anti-Glycoprotein VI (AP59416) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 35kDa
Observed band size: 65kDa

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.