

Product datasheet for **TA306632**

Glycoprotein VI (GP6) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IF, IHC, WB
Recommended Dilution:	WB: 1 ug/mL, ICC: 10 ug/mL, IF: 20 ug/mL
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	GPVI antibody was raised against a 15 amino acid peptide near the carboxy terminus of the human GPVI.
Formulation:	PBS containing 0.02% sodium azide.
Concentration:	1ug/ul
Purification:	Affinity chromatography purified via peptide column
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	glycoprotein VI platelet
Database Link:	NP_057447 Entrez Gene 51206 Human Q9HCN6



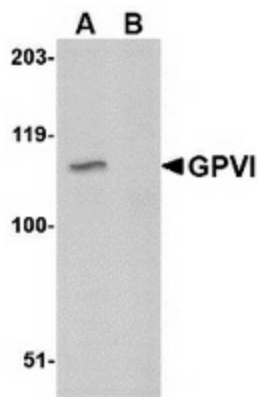
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Background:

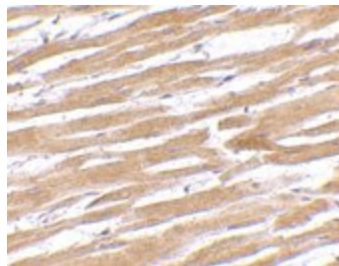
Glycoprotein VI (GP6) is a 58kD platelet membrane glycoprotein that plays a crucial role in the collagen-induced activation and aggregation of platelets. It is uniquely expressed by cells of the megakaryocytic/platelet lineage, and is a member of the immunoglobulin gene superfamily, closely related to Fc receptor gamma chain (FcR γ) and natural killer receptors. Glycoprotein VI 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 γ , the Src kinases (likely Fyn/Lyn), the adapter protein LAT and leads to the activation of phospholipase C gamma2. GPVI deficiency can result in bleeding disorders. Further study should reveal the extent of GPVI involvement in thrombotic disease and allow the development of alternative anti-thrombotic compounds.

Synonyms:

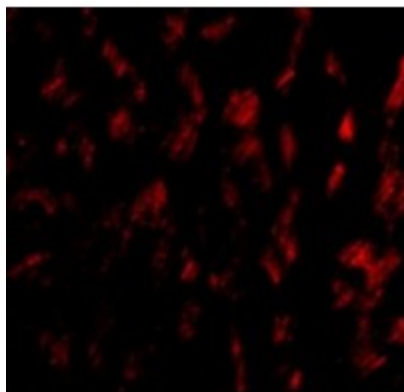
BDPLT11; GPIV; GPVI

Product images:

Western blot analysis of GPVI in A20 lysate with GPVI antibody at 1ug/ml in either the absence or (B) the presence of blocking peptide.



Immunohistochemistry of GPVI in human heart tissue with GPVI antibody at 10 ug/ml.



Immunofluorescence of GPVI in Human Heart tissue with GPVI antibody at 20 ug/mL.