

GPVI Antibody

Catalog No: #24742

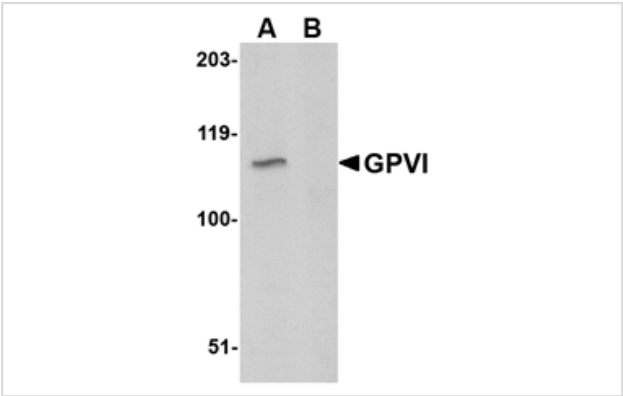


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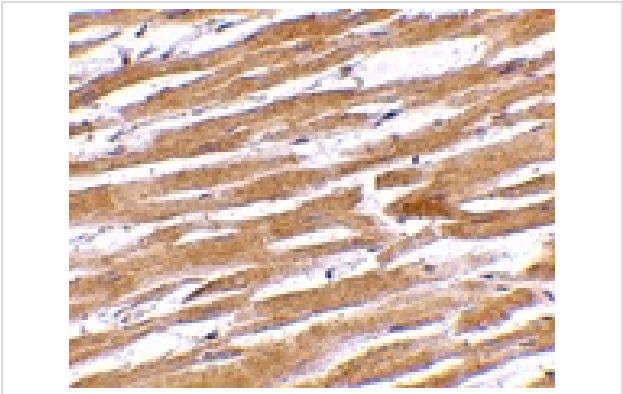
Description

Product Name	GPVI Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Affinity chromatography purified via peptide column
Applications	ELISA WB IHC
Species Reactivity	Hu Ms Rt
Immunogen Type	Peptide
Immunogen Description	Raised against a 15 amino acid peptide near the carboxy terminus of the human GPVI.
Target Name	GPVI
Other Names	Glycoprotein VI, GPIV, Platelet glycoprotein VI precursor
Accession No.	Swiss-Prot:Q9HCN6Gene ID:51206
Uniprot	Q9HCN6
GeneID	51206;
Concentration	1mg/ml
Formulation	Supplied in PBS containing 0.02% sodium azide.
Storage	Antibody can be stored at 4°C up to one year. Antibodies should not be exposed to prolonged high temperatures.

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.

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 (FcRgamma) 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 FcRgamma, 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.

Note: This product is for in vitro research use only