

Datasheet for 600-401-BN2**GPVI Antibody****Overview**

Description:	Anti-GPVI (RABBIT) Antibody - 600-401-BN2
Item No.:	600-401-BN2
Size:	100 µg
Applications:	ELISA, WB
Reactivity:	Human, Mouse, Rat
Host Species:	Rabbit

Product Details

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.
Synonyms:	GPVI Antibody, GPIV, GPVI, BDPLT11, Platelet glycoprotein VI, Glycoprotein 6
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	GP6
Reactivity:	Human, Mouse, Rat
Immunogen Type:	Conjugated Peptide

Immunogen:	Anti-GPVI antibody was prepared from whole rabbit serum produced by repeated immunizations with a 18 amino acid synthetic peptide near the internal region of the human GPVI.
Purity/Specificity:	Anti-GPVI Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. Cross reactivity with GPVI from other sources has not been determined.
Relevant Links:	• UniProtKB - Q9HCN6 • GeneID - 51206 • NCBI - NP_057447

Application Details

Tested Applications:	ELISA, WB
Application Note:	Anti-GPVI Antibody has been tested for use in ELISA and Western Blotting. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 37 kDa in Western Blots of specific cell lysates and tissues.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:10,000
WB:	1 µg/mL

Formulation

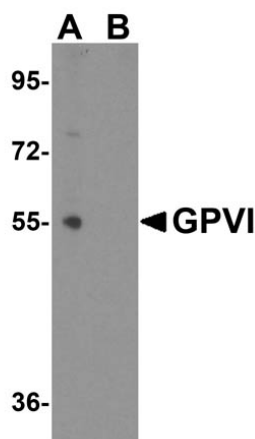
Physical State:	Liquid (sterile filtered)
Concentration:	1 mg/mL by UV absorbance at 280 nm
Buffer:	0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2
Preservative:	0.02% (w/v) Sodium Azide
Stabilizer:	None

Shipping & Handling

Shipping Condition:	Dry Ice
Storage Condition:	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.

Expiration:

Expiration date is one (1) year from date of receipt.

Images**Western Blot**

Western blot Results of Anti-GPVI Antibody. Lane A: Jurkat cell lysate with GPVI antibody at 1 μ g/ml in the absence of blocking peptide. Lane B: Jurkat cell lysate with GPVI antibody at 1 μ g/ml in the presence of blocking peptide. Predicted: ~37, 68 kDa; Observed: ~55 kDa.

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.