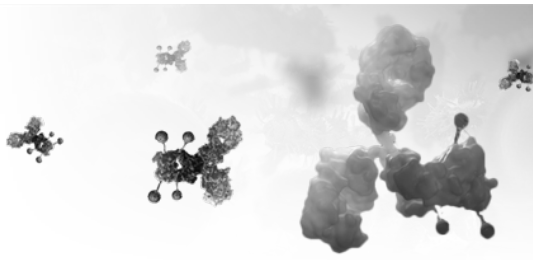

Anti-GP1BA (aa 19-128) polyclonal antibody (DPAB-DC1404)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	Glycoprotein Ib (GP Ib) is a platelet surface membrane glycoprotein composed of a heterodimer, an alpha chain and a beta chain, that is linked by disulfide bonds. The Gp Ib functions as a receptor for von Willebrand factor (VWF). The complete receptor complex includes noncovalent association of the alpha and beta subunits with platelet glycoprotein IX and platelet glycoprotein V. The binding of the GP Ib-IX-V complex to VWF facilitates initial platelet adhesion to vascular subendothelium after vascular injury, and also initiates signaling events within the platelet that lead to enhanced platelet activation, thrombosis, and hemostasis. This gene encodes the alpha subunit. Mutations in this gene result in Bernard-Soulier syndromes and platelet-type von Willebrand disease. The coding region of this gene is known to contain a polymophic variable number tandem repeat (VNTR) domain that is associated with susceptibility to nonarteritic anterior ischemic optic neuropathy.
Immunogen	GP1BA (AAH27955, 19 a.a. ~ 128 a.a) partial recombinant protein with GST tag. The sequence is ICEVSKVASHLEVNCDKRNLTALPPDLPKDTTILHLSENLLYTFSLATLMPYTRLTQLNL DRCELTKLQVDGTLPVLGTLDLSHNQLQSLPLLGQTLPALTVLDVPFNRL
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Recombinant protein), ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None

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Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	GP1BA glycoprotein Ib (platelet), alpha polypeptide [Homo sapiens (human)]
Official Symbol	GP1BA
Synonyms	GP1BA; glycoprotein Ib (platelet), alpha polypeptide; BSS; GP1B; VWDP; CD42B; GPIbA; BDPLT1; BDPLT3; DBPLT3; CD42b-alpha; platelet glycoprotein Ib alpha chain; GP-Ib alpha; antigen CD42b-alpha; platelet membrane glycoprotein 1b-alpha subunit;
Entrez Gene ID	2811
Protein Refseq	NP_000164
UniProt ID	P07359
Chromosome Location	17p13.2
Pathway	ECM-receptor interaction; Formation of Fibrin Clot (Clotting Cascade); Hematopoietic cell lineage; Hemostasis
Function	protein binding; thrombin receptor activity;

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