

MaxPab®

GP1BB purified MaxPab mouse polyclonal antibody (B01P)

Catalog # H00002812-B01P

Size 500 ug

Specification

Product Description	Mouse polyclonal antibody raised against a full-length human GP1BB protein.
Immunogen	GP1BB (AA160146.1, 1 a.a. ~ 206 a.a) full-length human protein.
Sequence	MSGGPRGALSLLLLLLAPPSRPAAGCPAPCSCAGTLVDCGRRGLTWASLPTAFPVDTTTELVLTG NNLTALPPGLLDALPALRTAHLGANPWRCDCRLVPLRAWLAGRPERAPYRDLRCVAPPALRGRL LPYLAEDELRAACAPGPLCWGALAAQLALLGLGLLHALLVLLLCRLRRLRARARARAAAARLSLT DPLVAERAGTDES
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (90); Rat (84)
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

Gene Info — GP1BB

Entrez GeneID

[2812](#)

GeneBank Accession#	BC160146.1
Protein Accession#	AA160146.1
Gene Name	GP1BB
Gene Alias	CD42c
Gene Description	glycoprotein Ib (platelet), beta polypeptide
Omim ID	138720 231200
Gene Ontology	Hyperlink
Gene Summary	<p>Platelet glycoprotein Ib (GPIb) is a heterodimeric transmembrane protein consisting of a disulfide-linked 140 kD alpha chain and 22 kD beta chain. It is part of the GPIb-V-IX system that constitutes the receptor for von Willebrand factor (VWF), and mediates platelet adhesion in the arterial circulation. GPIb alpha chain provides the VWF binding site, and GPIb beta contributes to surface expression of the receptor and participates in transmembrane signaling through phosphorylation of its intracellular domain. Mutations in the GPIb beta subunit have been associated with Bernard-Soulier syndrome, velocardiofacial syndrome and giant platelet disorder. The 206 amino acid precursor of GPIb beta is synthesized from a 1.0 kb mRNA expressed in platelets and megakaryocytes. A 411 amino acid protein arising from a longer, unspliced transcript in endothelial cells has been described; however, the authenticity of this product has been questioned. Yet another less abundant GPIb beta mRNA species of 3.5 kb, expressed in nonhematopoietic tissues such as endothelium, brain and heart, was shown to result from inefficient usage of a non-consensus polyA signal within a separate gene (sepin 5) located upstream of this gene. In the absence of polyadenylation from its own imperfect site, the sepin 5 gene uses the consensus polyA signal of this gene. [provided by RefSeq]</p>
Other Designations	glycoprotein Ib, beta polypeptide nuclear localization signal deleted in velocardiofacial syndrome

Pathway

- [ECM-receptor interaction](#)
- [Hematopoietic cell lineage](#)

Disease

- [Bernard-Soulier Syndrome](#)
- [Blood Platelet Disorders](#)
- [Thalassemia](#)
- [Thrombocytopenia](#)

- [von Willebrand Disease](#)