

Datasheet for ABIN6141287
anti-GP1BB antibody (AA 27-147)[Go to Product page](#)

1 Image

Overview

Quantity:	100 µL
Target:	GP1BB
Binding Specificity:	AA 27-147
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GP1BB antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 27-147 of human GP1BB (NP_000398.1).
Sequence:	PAPCSCAGTL VDCGRRGLTW ASLPTAFPVD TTELVL TGNN LTALPPGLLD ALPALRTAHL GANPWRCDCR LVPLRAWLAG RPERAPYRDL RCVAPPALRG RLLPYLAEDE LRAACAPGPL C
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

Target Details

Target:	GP1BB
Alternative Name:	GP1BB (GP1BB Products)
Background:	<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 in the neighboring upstream gene (SEPT5, septin 5). In the absence of polyadenylation from its own imperfect site, the SEPT5 gene produces read-through transcripts that use the consensus polyA signal of this gene.,GP1BB,BDPLT1,BS,CD42C,GPIBB,GPIbbeta,Immunology & Inflammation,CD markers,GP1BB</p>
Molecular Weight:	21 kDa/43 kDa
Gene ID:	2812
UniProt:	P13224

Application Details

Application Notes:	WB,1:200 - 1:1000
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which

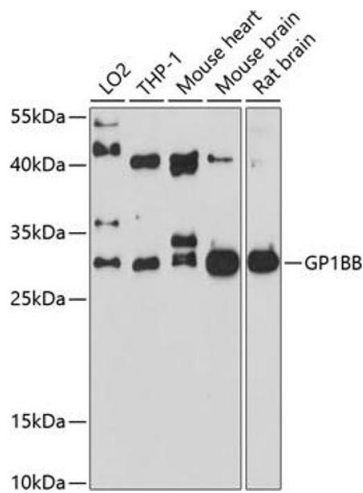
Handling

should be handled by trained staff only.

Storage: -20 °C

Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.

Images



Western Blotting

Image 1. Western blot analysis of extracts of various cell lines, using GP1BB antibody (ABIN6132055, ABIN6141287, ABIN6141288 and ABIN6214244) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 90s.