

## GP1BA Antibody (monoclonal) (M02)

Mouse monoclonal antibody raised against a partial recombinant GP1BA.

Catalog # AT2241a

### Specification

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#### GP1BA Antibody (monoclonal) (M02) - Product Information

Application	IP, WB, E
Primary Accession	<a href="#">P07359</a>
Other Accession	<a href="#">BC027955</a>
Reactivity	Human
Host	mouse
Clonality	Monoclonal
Isotype	IgG2a Kappa
Calculated MW	71540

#### GP1BA Antibody (monoclonal) (M02) - Additional Information

Gene ID 2811

##### Other Names

Platelet glycoprotein Ib alpha chain, GP-Ib alpha, GPIb-alpha, GPIbA, Glycoprotein Ibalpha, Antigen CD42b-alpha, CD42b, Glycocalicin, GP1BA

##### Target/Specificity

GP1BA (AAH27955, 19 a.a. ~ 128 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

##### Dilution

WB~~1:500~1000

##### Format

Clear, colorless solution in phosphate buffered saline, pH 7.2 .

##### Storage

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

##### Precautions

GP1BA Antibody (monoclonal) (M02) is for research use only and not for use in diagnostic or therapeutic procedures.

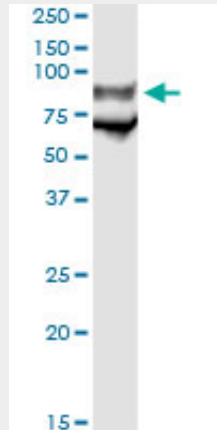
#### GP1BA Antibody (monoclonal) (M02) - Protocols

Provided below are standard protocols that you may find useful for product applications.

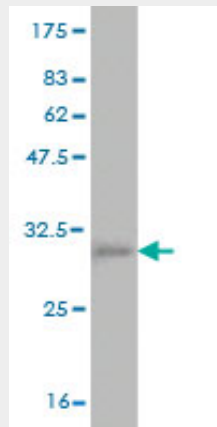
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)

- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

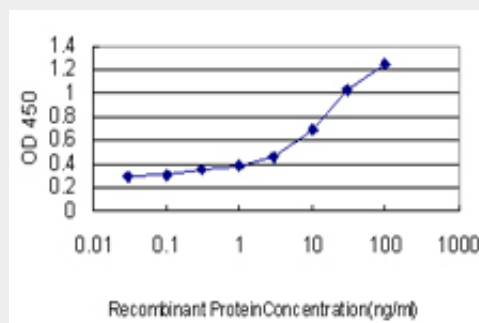
### GP1BA Antibody (monoclonal) (M02) - Images



Immunoprecipitation of GP1BA transfected lysate using anti-GP1BA monoclonal antibody and Protein A Magnetic Bead ([U0007](#)), and immunoblotted with GP1BA MaxPab rabbit polyclonal antibody.



Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (37.84 KDa) .



Detection limit for recombinant GST tagged GP1BA is approximately 0.03ng/ml as a capture antibody.

## **GP1BA Antibody (monoclonal) (M02) - Background**

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. Several polymorphisms and mutations have been described in this gene, some of which are the cause of Bernard-Soulier syndromes and platelet-type von Willebrand disease.

## **GP1BA Antibody (monoclonal) (M02) - References**

A genetic association study of maternal and fetal candidate genes that predispose to preterm prelabor rupture of membranes (PROM). Romero R, et al. Am J Obstet Gynecol, 2010 Jul 29. PMID 20673868. The allele frequencies of HPA 1-16 determined by PCR-SSP in Chinese Cantonese donors. Nie YM, et al. Transfus Med, 2010 Jul 28. PMID 20667040. Variation at the NFATC2 Locus Increases the Risk of Thiazolidinedione-Induced Edema in the Diabetes REduction Assessment with ramipril and rosiglitazone Medication (DREAM) Study. Bailey SD, et al. Diabetes Care, 2010 Jul 13. PMID 20628086. Study of 18 functional hemostatic polymorphisms in mucocutaneous bleeding disorders. Ant?n AI, et al. Ann Hematol, 2010 Nov. PMID 20532885. The c-Myc target glycoprotein1balpha links cytokinesis failure to oncogenic signal transduction pathways in cultured human cells. Wu Q, et al. PLoS One, 2010 May 25. PMID 20520840.