

Datasheet for ABIN6136339
anti-ABCB1 antibody (AA 600-700)

2 Images

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Overview

Quantity:	100 µL
Target:	ABCB1
Binding Specificity:	AA 600-700
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ABCB1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF)

Product Details

Immunogen:	A synthetic peptide corresponding to a sequence within amino acids 600-700 of human P Glycoprotein (NP_000918.2).
Sequence:	GFDDGVIVEK GNHDELMKEK GIYFKLVTMQ TAGNEVELEN AADESKSEID ALEMSSNDSR SSLIRKRSTR RSVRGSQAQD RKLSTKEALD ESIPPVSWR I
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

Target Details

Target:	ABCB1
Alternative Name:	ABCB1 (ABCB1 Products)
Background:	<p>The membrane-associated protein encoded by this gene is a member of the superfamily of ATP-binding cassette (ABC) transporters. ABC proteins transport various molecules across extra- and intra-cellular membranes. ABC genes are divided into seven distinct subfamilies (ABC1, MDR/TAP, MRP, ALD, OABP, GCN20, White). This protein is a member of the MDR/TAP subfamily. Members of the MDR/TAP subfamily are involved in multidrug resistance. The protein encoded by this gene is an ATP-dependent drug efflux pump for xenobiotic compounds with broad substrate specificity. It is responsible for decreased drug accumulation in multidrug-resistant cells and often mediates the development of resistance to anticancer drugs. This protein also functions as a transporter in the blood-brain barrier. Mutations in this gene are associated with colchicine resistance and Inflammatory bowel disease 13. Alternative splicing and the use of alternative promoters results in multiple transcript variants.,ABC20,CD243,CLCS,GP170,MDR1,P-GP,PGY1,P Glycoprotein,ABCB1,Cancer,Drug resistance,P glycoproteins,Signal Transduction,Endocrine & Metabolism,Immunology & Inflammation,CD markers,Stem Cells,Hematopoietic Progenitors,ABCB1</p>
Molecular Weight:	134 kDa/141 kDa
Gene ID:	5243
UniProt:	P08183

Application Details

Application Notes:	WB,1:500 - 1:2000,IF,1:50 - 1:200
Comment:	HIGH QUALITY
Restrictions:	For Research Use only

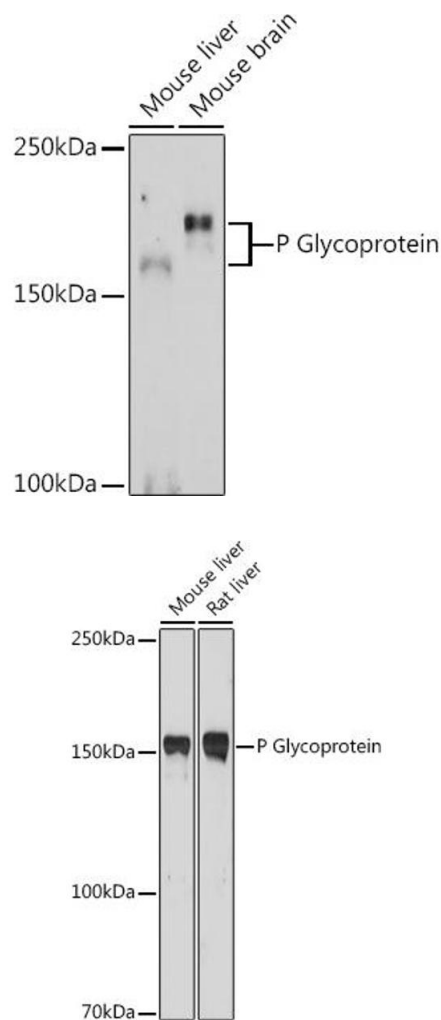
Handling

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 should be handled by trained staff only.

Handling

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 P Glycoprotein Rabbit pAb (ABIN6134228, ABIN6136339, ABIN6136342 and ABIN6215442) 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: 180s.

Western Blotting

Image 2. Western blot analysis of extracts of various cell lines, using P Glycoprotein antibody (ABIN6134228, ABIN6136339, ABIN6136342 and ABIN6215442) 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: 180s.