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## anti-ABCB1 antibody (AA 600-700)

**Images** 



## 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), Immunohistochemistry (IHC)

## **Product Details**

Purpose:	P Glycoprotein Rabbit pAb
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 ESIPPVSFWR I
Isotype:	IgG
Cross-Reactivity:	Mouse, Rat
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

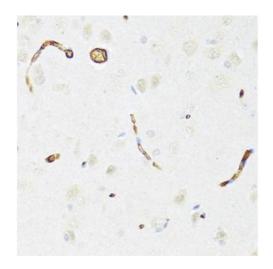
## **Target Details**

Target:	ABCB1
Alternative Name:	ABCB1 (ABCB1 Products)
Background:	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
Molecular Weight:	134kDa/141kDa
Gene ID:	5243
UniProt:	P08183
Application Details	
Application Notes:	WB,1:500 - 1:2000,IHC,1:50 - 1:200
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.
Storage:	-20 °C

Storage Comment:

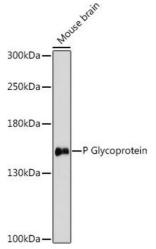
Store at -20°C. Avoid freeze / thaw cycles.

### **Images**



#### **Immunohistochemistry**

**Image 1.** Immunohistochemistry of paraffin-embedded rat brain using P Glycoprotein antibody (ABIN7265733) at dilution of 1:100 (40x lens).Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.



#### **Western Blotting**

**Image 2.** Western blot analysis of extracts of various cell lines, using P Glycoprotein antibody (ABIN7265733) at 1:3000 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.