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## anti-P-Glycoprotein antibody (AA 647-677)





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Quantity:	0.4 mL
Target:	P-Glycoprotein
Binding Specificity:	AA 647-677
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This P-Glycoprotein antibody is un-conjugated
Application:	Western Blotting (WB), ELISA
Product Details	
Immunogen:	A portion of amino acids 647-677 from the human protein was used as the immunogen for this
	P-Glycoprotein antibody.
Isotype:	Ig Fraction
Purification:	Purified
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Target Details	
Target:	P-Glycoprotein
Abstract:	P-Glycoprotein Products
Background:	The membrane-associated ABCB1 protein is a member of the superfamily of ATP-binding

cassette (ABC) transporters. ABC proteins transport various molecules across extra- and intracellular membranes. ABC genes are divided into seven distinct subfamilies (ABC1, MDR/TAP,

#### **Target Details**

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. ABCB1 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.

UniProt:

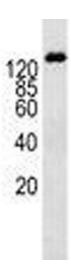
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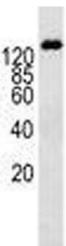
#### **Application Details**

Application Notes:	Titration of the P-Glycoprotein antibody may be required due to differences in protocols and	
	secondary/substrate sensitivity.\. Western blot: 1:1000	
Restrictions:	For Research Use only	

### Handling

Format:	Liquid
Buffer:	In 1X PBS, pH 7.4, with 0.09 % sodium azide
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:	Aliquot the P-Glycoprotein antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.





#### **Western Blotting**

**Image 1.** P-Glycoprotein antibody western blot analysis in K562 lysate

#### **Western Blotting**

**Image 2.** P-Glycoprotein antibody western blot analysis in K562 lysate