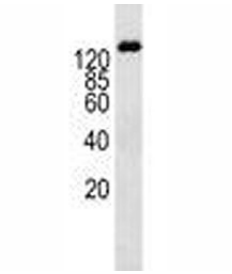
P-Glycoprotein Antibody (F49437)

Catalog No.	Formulation	Size
F49437-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F49437-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Purified
UniProt	P08183
Applications	Western blot: 1:1000
Limitations	This P-Glycoprotein antibody is available for research use only.



P-Glycoprotein antibody western blot analysis in K562 lysate. Expected molecular weight: 141-180 kDa depending on glycosylation level.

Description

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 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. 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.

Application Notes

Titration of the P-Glycoprotein antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 647-677 from the human protein was used as the immunogen for this P-Glycoprotein antibody.

Storage

Aliquot the P-Glycoprotein antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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