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antibody and ELISA experts

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Anti-P Glycoprotein/ABCB1 Antibody PE Conjugated

Catalog Number: RP1034-PE

About TP53

P-GP, also called ABCB1 or PGY1, is a glycoprotein that in humans is encoded by the ABCB1 gene. It is mapped to 7q21.12. P-GP is a well-characterized ABC-transporter (which transports a wide variety of substrates across extra- and intracellular membranes) of the MDR/TAP subfamily. It is an important protein of the cell membrane that pumps many foreign substances out of cells. More formally, it is an ATP-dependent drug efflux pump with broad substrate specificity. P-GP is an ATP-dependent drug efflux pump forxenobiotic 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.

Overview

Product Name	Anti-P Glycoprotein/ABCB1 Antibody PE Conjugated
Reactive Species	Human, Mouse, Rat
Application	Flow Cytometry
Clonality	Polyclonal
Formulation	Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na2HPO4, 0.02% NaN3.
Storage Instructions	At -20˚C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light.
Host	Rabbit
Uniprot ID	P08183

Technical Details

Immunogen	A synthetic peptide corresponding to a sequence in the middle region of human P Glycoprotein, different from the related rat sequence by twelve amino acids.
Cross Reactivity	No cross-reactivity with other proteins
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5 mg/mL
Purification	Immunogen affinity purified.
Conjugate	PE Excitation Wavelength: 566 nm Emission Wavelength: 574 nm

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Suggested Dilutions	Flow Cytometry, Optimal dilutions should be determined by end users.

32 Publications Citing This Product

1. PubMed ID: -, Panchamia, Shail. (2020). To Investigate The Impact Of Gut Bacteria On Efflux Transporter Expression And Function In Gastrointestinal Mucosae. Retrieved from the University of Minnesota Digital Conservancy, https://hdl.handle.net/11299/215018.

2. PubMed ID: 26439224, Expression of TP53, BCL-2, and VEGFA Genes in Esophagus Carcinoma and its Biological Significance

3. PubMed ID: 25395712, Li W, Wu D, Wei B, Wang S, Sun H, Li X, Zhang F, Zhang C, Xin Y. Afr J Tradit Complement Altern Med. 2014 Aug 23;11(5):99-104. Ecollection 2014. Anti-Tumor Effect Of Cactus Polysaccharides On Lung Squamous Carcinoma Cells (Sk-Mes-1).

Visit bosterbio.com/anti-p-glycoprotein-antibody-rp1034-boster.html to see all 32 publications.

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