

P-glycoprotein Antibody

Subcategory: Rabbit Polyclonal Antibody

Cat. No.: 250820

Unit: 0.1 mg

Description:

P-glycoprotein 1 (multidrug resistance protein 1, MDR1) is an energy-dependent efflux pump responsible for decreased drug accumulation in multidrug-resistant cells. MDR1 is a member of the superfamily of ATP-binding cassette (ABC) transporters. Genetic variation in MDR1 are the cause for patients who do not respond to drug treatment. In mouse, the MDR gene family includes three or more related but distinct cellular genes. MDR1A is also called P-glycoprotein 3.

Isotype: Rabbit Ig

Applications: E, IHC, WB

Species Reactivity: H, M, R

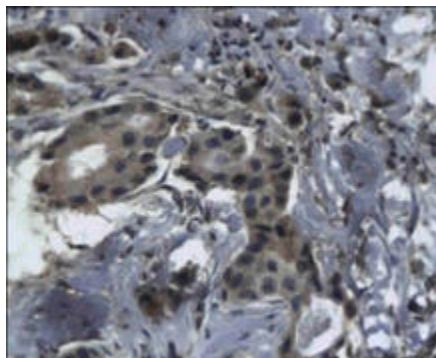
Format: Each vial contains 0.1 mg IgG in 0.1 ml (1 mg/ml) of PBS pH7.4, 0.1 mg/ml BSA, 25% glycerol with 0.09% sodium azide. Antibody was purified by Protein-A and antigen affinity chromatography.

Alternate Names: Multidrug resistance protein 1; ATP-binding cassette sub-family B member 1; P-glycoprotein 1; CD243; ABCB1; MDR1; PGY1; Multidrug resistance protein 1A; ATP-binding cassette sub-family B member 1A; P-glycoprotein 3; ABCB1a; MDR1A; PGY3; Multidrug resistance protein 3; Abcb4; Mdr3; Pgy-3

Accession No.: P21447

Antigen: KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of mouse P-glycoprotein 3.

Application Notes: Cat. 250820 recognizes human P-glycoprotein 1 (MDR1) and mouse P-glycoprotein 3 (MDR1A). E: 1:500-1:1,000; WB: 1:100-1:500; IHC: 1:100-1:500



P-glycoprotein staining in human colon cancer. Paraffin-embedded human colon cancer tissue is stained with P-glycoprotein antibody (Cat. No. 250820) used at 1:200 dilution.

Storage: Store at -20°C. Minimize freeze-thaw cycles. Product is guaranteed one year from the date of shipment.

Product Citations: McCaffrey G et al. 2012. Journal of Neurochemistry. 122(5):962-975. PMID# 22716933.

For research use only, not for diagnostic or therapeutic procedures.