

Rabbit Anti-MDR1/ABCB1/P-Glycoprotein [EP271]: RM0295

Intended Use: For Research Use Only

Description: The multidrug resistance protein 1 (MDR-1), also known as P-glycoprotein 1 (PgP), is a conserved plasma membrane protein that functions as an ATP-dependent efflux pump with broad specificity. MDR-1 expression is thought to cause cross-resistance to structurally unrelated anti-cancer drugs, which may decrease intracellular drug concentrations. MDR-1 is typically expressed primarily in regions that act as epithelial barriers or perform excretory function in the liver, kidney, gastrointestinal tract, and the blood-brain barrier. In tumors, MDR-1 is widely expressed in many human cancers, commonly found in colon cancer, renal cancer, hepatocellular carcinoma and hematopoietic malignancies.

Specifications

Clone: EP271
Source: Rabbit
Isotype: IgG
Reactivity: Human
Localization: Membrane
Formulation: Purified antibody in 0.2% BSA and 15mM sodium azide (NaN₃)
Storage: Store at 2°- 8°C. For longer periods of storage, store at -20°C. Avoid repeat freeze-thaw cycles
Applications: IHC, Flow Cyt., IP, WB
Package:

Description	Catalog No.	Size
MDR1/ABCB1/P-Glycoprotein Concentrated	RM0295	1 ml

IHC Procedure*

Positive Control Tissue: HCC, brain, kidney
Concentrated Dilution: 50-200
Pretreatment: Citrate pH6.0 or EDTA pH8.0, 15 minutes using Pressure Cooker, or 30-60 minutes using water bath at 95°-99°C
Incubation Time and Temp: 30-60 minutes @ RT
Detection: Refer to the detection system manual

* Result should be confirmed by an established diagnostic procedure.