

**Rabbit Anti-MDR1/ABCB1/P-Glycoprotein [MD33R]: RM0336**

**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: MD33R  
Source: Rabbit  
Isotype: IgG  
Reactivity: Human, mouse, rat  
Localization: Membrane  
Formulation: Purified antibody in 0.2% BSA and 15mM sodium azide (NaN<sub>3</sub>)  
Storage: Store at 2°- 8°C. For longer periods of storage, store at -20°C. Avoid repeat freeze-thaw cycles  
Applications: IHC, WB  
Package:

Description	Catalog No.	Size
MDR1/ABCB1/P-Glycoprotein Concentrated	RM0336	1 ml

**IHC Procedure\***

Positive Control Tissue: HCC, brain, kidney  
Concentrated Dilution: 50-100  
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.