

**anti-Mdr**

Cat #: HM1220  
Rabbit polyclonal IgG  
0.2 µg/µl, store at 4 °C

For research use only

**BACKGROUND**

The multiple drug resistance (Mdr) protein is a 170 kDa glycoprotein (p-glycoprotein) that is a member of a highly conserved superfamily of ATP-binding cassette (ABC) transporters. ABC proteins transport various molecules across extra- and intra-cellular membranes. They are divided into seven distinct subfamilies (ABC1, MDR/TAP, MRP, ALD, OABP, GCN20, and White). Mdr-1 is a member of the MDR/TAP subfamily. Members of the MDR/TAP subfamily are involved in multidrug resistance. Mdr-1 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.

**SPECIFICITY**

This antibody reacts with Mdr-1, Mdr-2 and Mdr-3 of mouse, rat and human origin.

The antibody can be used in Western blotting, immunoprecipitation and immunohistochemistry.

Recommended dilution for Western blotting: 1:1000.

**IMMUNOGEN**

Recombinant protein corresponding to the carboxy terminus of human Mdr-1.

**STORAGE**

This antibody is stable for 12 months when stored at 2-8°C.

**REFERENCES**

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**Hypromatrix, Inc.**  
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USA

Tel: 508-856-7900  
Fax: 508-302-0748  
Email: [contact@hypromatrix.com](mailto:contact@hypromatrix.com)  
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