Recombinant P-glycoprotein / p170 / MDR1 / CD243 Antibody

Rabbit Monoclonal Antibody [Clone MDR1/8986R]

Catalog No	Format	Size
5243-RBM5-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
5243-RBM5-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
5243-RBM5-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

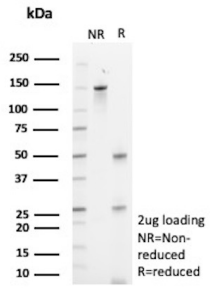
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes

Product Details

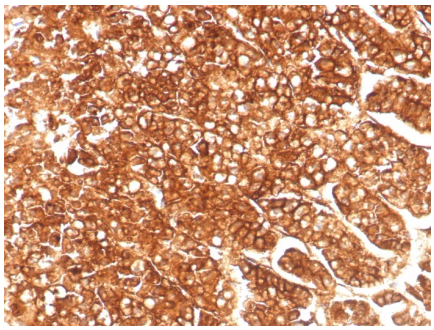
Clone	MDR1/8986R
Gene Name	ABCB1
Immunogen	Recombinant fragment (around aa500-700) of human ABCB1 protein (exact sequence is proprietary)
Host	Rabbit
Clonality	Monoclonal
Isotype / Light Chain	IgG / Kappa
Mol. Weight of Antigen	170kDa
Cellular Localization	Membrane.
Species Reactivity	Human
Positive Control	hPBL or Jurkat whole cell lysate. Human adrenal gland.

**Optimal dilution for a specific application should be determined.*

Product Images for Recombinant P-glycoprotein / p170 / MDR1 / CD243 Antibody



SDS-PAGE Analysis of Purified ATP-dependent translocase ABCB1 Recombinant Rabbit Monoclonal Antibody (MDR1/8986R). Confirmation of Purity and Integrity of Antibody.



Formalin-fixed, paraffin-embedded human adrenal gland stained with MDR1 Recombinant Rabbit Monoclonal Antibody (MDR1/8986R). HIER: Tris/EDTA, pH9.0, 45min. 2°C: HRP-polymer, 30min. DAB, 5min.

Specificity & Comments

Cells selected for resistance to a single cytotoxic drug may become crossresistant to a broad range of drugs with different structures and cellular targets. This phenomenon is called multiple drug resistance (MDR). MDR proteins (Mdrs) are members of a highly conserved superfamily of ATP-binding cassette transport proteins. Mdr-1 is an apical transmembrane protein that is an integral part of the blood-brain barrier and functions as a drug-transport pump transporting a variety of drugs from the brain back into the blood. The Mdr-1 gene is known as ABCB1 and is located on human chromosome 7q21.12. The mouse homolog of Mdr-1 is known as Mdr-3. Interestingly, a murine protein by the name of Mdr-1 exists and is encoded by the murine Abcb1b gene, but it is not homologous with human Mdr-1.

Supplied As

200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C.Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Research Areas

Cardiovascular

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis.There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.