

Abcg2

Rat Anti-Mouse ABCG2/BCRP (Clone BXP-9) mAb

Catalog No.	MON9050	Quantity:	1 ml
Alternate Names:	ABC15, ABCP, AI428558, BCRP, Bcrp1, MXR, MXR1		
Description:	The rat monoclonal antibody recognizes mouse Breast Cancer Resistance Protein (BCRP), a membrane-associated protein in the superfamily of ATP-binding cassette (ABC) transporters. ABC proteins transport various molecules across extra- and intra-cellular membranes. ABC genes are divided into seven distinct subfamilies (ABC1, MDR/TAP, MRP, ALD, OABP, GCN20, White). This protein is a member of the White subfamily. The human protein functions as a xenobiotic transporter which may play a major role in multi-drug resistance.		
Gene ID:	26357		
Concentration:	~0.25 mg/ml		
Conjugate:	Unconjugated		
Specificity:	BXP-9 reacts with an internal epitope of bcrp, a 70 kD transmembrane half-transporter which is involved in Multidrug resistance.		
Cross-Reactivity:	BXP-9 does not react with the human BCRP molecule.		
Host:	Rat		
Isotype:	IgG1		
Immunogen:	A fusion protein containing the <i>E. coli</i> maltose binding protein and a fragment of the mouse bcrp protein corresponding to amino acids 221-394.		
Clone:	BXP-9		
Formulation:	Liquid in serum-free tissue culture supernatant + 0.7% BSA + 0.1% Sodium Azide. Precaution: Sodium Azide is a poisonous and hazardous substance which should be handled by trained staff only.		
Applications:	Immunocytochemistry, Western Blot		
Application Notes:	Immunocytochemistry: use 1:20-50 on acetone fixed cytospin preparations. Immunohistochemistry: use 1:20 on acetone fixed frozen sections, can be followed by incubation with biotin-labeled rabbit anti-rat IgG (1:100, DAKO) and HRP-labeled streptavidin (1: 500, DAKO). Western blot: use 1:20-50 dilution and HRP-anti-rat-IgG. Flow cytometry: optimal conditions still to be defined. The optimal concentration should be determined by the user for each specific application.		
Storage & Stability:	Store at 2-8°C. For extended storage, freeze at -20°C.		

NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.



Cell Sciences®
65 Parker Street
Unit 11
Newburyport, MA 01950

Toll Free: 888-769-1246
Phone: 978-572-1070
Fax: 978-992-0298

E-mail: info@cellsciences.com
Website: www.cellsciences.com