Mouse ABCG2 Monoclonal Antibody | anti-ABCG2 antibody

ABCG2 Monoclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA319935	**Mouse**	**Human, Mouse, Monkey**	**ELISA, Flow Cytometry, Functional Assay, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot**

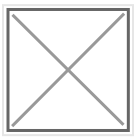
PRODUCT SYNONYMS

ABCG2; Monoclonal Antibody; ABCG2 Monoclonal Antibody; ATP-binding cassette sub-family G member 2; ABCP; BCRP; BCRP1; MXR; Breast cancer resistance protein; CDw338; Mitoxantrone resistance-associated protein; Placenta-specific ATP-binding cassette transporter; CD antigen CD338; anti-ABCG2 antibody

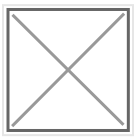
PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human, Mouse, Monkey
Clonality	Monoclonal
Specificity	ABCG2 Monoclonal Antibody detects endogenous levels of ABCG2 protein.
Purity/Purification	Affinity purification
Form/Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Applicable Applications for anti-ABCG2 antibody	ELISA, FCM/FACS (Flow Cytometry), ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Purified recombinant fragment of human ABCG2 expressed in E coli.
Modification	Unmodified/Total
Preparation and Storage	Store at -20 degree C/1 year

IMAGES



ELISA
Mouse Monoclonal analysis via ELISA



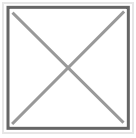
FCM/FACS (Flow Cytometry)
Flow cytometric analysis of HepG2 cells using ABCG2 Monoclonal Antibody (green) and negative control (purple).



IF (Immunofluorescence)
Immunofluorescence analysis of Hela cells using ABCG2 Monoclonal Antibody (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.



IHC (Immunohiostchemistry)
Immunohistochemistry analysis of paraffin-embedded bladder cancer tissues (left) and skeletal muscle tissues (right) with DAB staining using ABCG2 Monoclonal Antibody.



WB (Western Blot)
Western Blot analysis using ABCG2 Monoclonal Antibody against NIH/3T3 (1) and Cos7 (2) cell lysate.

ADDITIONAL INFORMATION

Related Product Information for anti-ABCG2 antibody	The membrane-associated protein encoded by this gene is included 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. Alternatively referred to as a breast cancer resistance protein, this protein functions as a xenobiotic transporter which may play a major role in multi-drug resistance. It likely serves as a cellular defense mechanism in response to mitoxantrone and anthracycline exposure. Significant expression of this protein has been observed in the placenta, which may suggest a potential role for this molecule in placenta tissue. Multiple transcript variants encoding different isoforms have been found for this gene.
Product Categories/Family for anti-ABCG2 antibody	Primary Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	67462103
NCBI GeneID	9429
UniProt Accession #	Q9UNQ0; O95374; Q4W5I3; Q53ZQ1; Q569L4; Q5YLG4; Q86V64; Q8IX16; Q96LD6; Q96TA8; A0A1W3; A8K1T5
Molecular Weight	72,314 Da
NCBI Official Full Name	ATP-binding cassette sub-family G member 2
NCBI Official Synonym Full Names	ATP-binding cassette, sub-family G (WHITE), member 2
NCBI Official Symbol	ABCG2
NCBI Official Synonym Symbols	MRX; MXR; ABCP; BCRP; BMDP; MXR1; ABC15; BCRP1; CD338; GOUT1; CDw338; UAQTL1; EST157481
NCBI Protein Information	ATP-binding cassette sub-family G member 2; urate exporter; ABC transporter; placenta specific MDR protein; breast cancer resistance protein; ATP-binding cassette transporter G2; mitoxantrone resistance-associated protein; placenta-specific ATP-binding ca
UniProt Protein Name	ATP-binding cassette sub-family G member 2
UniProt Gene Name	**ABCG2**
UniProt Synonym Gene Names	ABCP; BCRP; BCRP1; MXR
UniProt Entry Name	ABCG2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://stage.aaabiotech.com/monoclonal/abcg2-antibody-flow-cytometry-immunocytochemistry-immunofluorescence-immunohistochemistry-western-blot-elisa/319935