

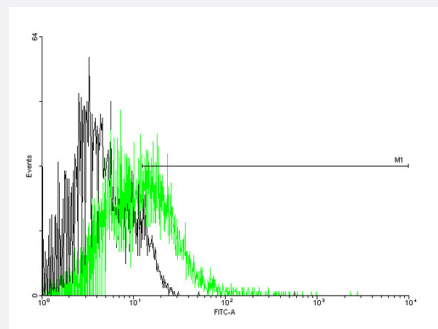
MaxPab®

ABCG2 purified MaxPab mouse polyclonal antibody (B01P)

Catalog # H00009429-B01P

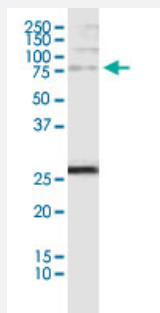
Size 50 ug

Applications



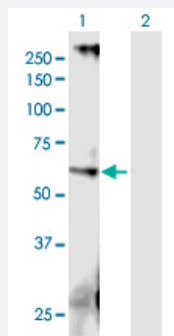
Flow Cytometry

FACS analysis of negative control 293 cells (Black) and ABCG2 expressing 293 cells (Green) using ABCG2 purified MaxPab mouse polyclonal antibody.



Western Blot (Tissue lysate)

ABCG2 MaxPab polyclonal antibody. Western Blot analysis of ABCG2 expression in human liver.



Western Blot (Transfected lysate)

Western Blot analysis of ABCG2 expression in transfected 293T cell line ([H00009429-T01](#)) by ABCG2 MaxPab polyclonal antibody.

Lane 1: ABCG2 transfected lysate(72.05 KDa).

Lane 2: Non-transfected lysate.

Specification

Product Description

Mouse polyclonal antibody raised against a full-length human ABCG2 protein.

Immunogen	ABCG2 (AAH21281.1, 1 a.a. ~ 655 a.a) full-length human protein.
Sequence	MSSSNVEVFIPVSQGNTNGFPATASNDLKAFTEGAVLSFHNICYRVKLKSGFLPCRKPVEKEILSNI NGIMKPGLNAILGPTGGGKSSLLDVLAARKDPSGLSGDVLINGAPRPANFKCNSGYVVQDDVVM GTLTVRENLQFSAALRLATTMTNHEKNERINRVIQELGLDKVADSKVGTQFIRGVSGGERKRTSIG MELITDPSILFLDEPTTGLDSSSTANAVLLLLKRMSKQGRTIIFSIIHQPRYSIFKLFDSLTLASGRLMFH GPAQEALGYFESAGYHCEAYNNPADFFLDIINGDSTAVALNREEDFKATEIIIEPSKQDKPLIEKLAIEI YVNSSFYKETKAELHQLSGGEKKKKITVFKEISYTTSFCHQLRWVSKRSFKNLLGNPQASIAQIMTV VLGLVIGAIYFGLKNDSTGIQNRAGVLFFLTNNQCFSSVSAVELFVVEKKLFIHEYISGYRVSSYFLG KLLSDLLPMRMLPSIIFTCIVYFMLGLKPKADAFFVMMFTLMMVAYSASSMALAIAAGQSVSVATL LMTICFVFMFISGLLVNLTTIASWLSWLQYFSIPRYGFTALQHNEFLGQNFPCPLNATGNNPCNYA TCTGEEYLVKQGIDLSPWGLWKNHVALACMMVIFLTIAYLKLLFLKKYS
Host	Mouse
Reactivity	Human
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

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- Western Blot (Tissue lysate)

ABCG2 MaxPab polyclonal antibody. Western Blot analysis of ABCG2 expression in human liver.

[Protocol Download](#)

- Western Blot (Transfected lysate)

Western Blot analysis of ABCG2 expression in transfected 293T cell line ([H00009429-T01](#)) by ABCG2 MaxPab polyclonal antibody.

Lane 1: ABCG2 transfected lysate(72.05 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

Gene Info — ABCG2

Entrez GeneID	9429
GeneBank Accession#	NM_004827.2
Protein Accession#	AAH21281.1
Gene Name	ABCG2
Gene Alias	ABC15, ABCP, BCRP, BCRP1, BMDP, CD338, CDw338, EST157481, MGC102821, MRX, M XR, MXR1
Gene Description	ATP-binding cassette, sub-family G (WHITE), member 2
Omim ID	603756
Gene Ontology	Hyperlink
Gene Summary	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. [provided by RefSeq]
Other Designations	ABC transporter ATP-binding cassette transporter G2 ATP-binding cassette, sub-family G, member 2 breast cancer resistance protein mitoxantrone resistance protein placenta specific MDR protein

Pathway

- [ABC transporters](#)

Disease

- [Adenocarcinoma](#)
- [Alzheimer disease](#)
- [Atherosclerosis](#)
- [Brain Ischemia](#)
- [Brain Neoplasms](#)

- [Breast cancer](#)
- [Carcinoma](#)
- [Cardiovascular Diseases](#)
- [Colon cancer](#)
- [Colorectal Neoplasms](#)
- [Coronary Artery Disease](#)
- [Coronary Disease](#)
- [Diabetes Complications](#)
- [Diabetes Mellitus](#)
- [Diarrhea](#)
- [Disease Progression](#)
- [Drug-Induced Liver Injury](#)
- [Edema](#)
- [Encephalomyelitis](#)
- [Epilepsies](#)
- [Epilepsy](#)
- [Esophageal Neoplasms](#)
- [Exanthema](#)
- [Gastrointestinal Stromal Tumors](#)
- [Genetic Predisposition to Disease](#)
- [Genomic Instability](#)
- [Gilbert Disease](#)
- [Glioma](#)
- [Gout](#)
- [Head and Neck Neoplasms](#)
- [Hearing Loss](#)

- [HIV Infections](#)
- [HIV Seropositivity](#)
- [Hyperbilirubinemia](#)
- [Hypercholesterolemia](#)
- [Hyperuricemia](#)
- [Inflammatory Bowel Diseases](#)
- [Kidney Diseases](#)
- [Kidney Failure](#)
- [Kidney Neoplasms](#)
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- [Lung Diseases](#)
- [Lung Neoplasms](#)
- [Lymphoma](#)
- [Mesothelioma](#)
- [Metabolic Syndrome X](#)
- [Multiple Sclerosis](#)
- [Myocardial Infarction](#)
- [Nasopharyngeal Neoplasms](#)
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- [Ovarian cancer](#)
- [Ovarian Neoplasms](#)
- [Pleural Neoplasms](#)
- [Prostate cancer](#)
- [Prostatic Neoplasms](#)
- [Psoriasis](#)
- [Stroke](#)
- [Urogenital Neoplasms](#)