

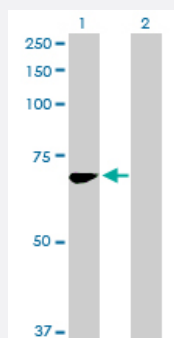
MaxPab®

# ABCG2 purified MaxPab rabbit polyclonal antibody (D01P)

Catalog # H00009429-D01P

Size 100 ug

## Applications



### 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 (72.30 kDa).

Lane 2: Non-transfected lysate.

## Specification

### Product Description

Rabbit 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  
GTLTVRENLFSAALRLATTMTNHEKNERINRVIQELGLDKVADSKVGTQFIRGVSGGERKRTSIG  
MELITDPSILFLDEPTTGLDSSSTANAVLLLLKRMSKQGRITIFSIIHQPRYSIFKLFDSLTLASGRMLMFH  
GPAQEALGYFESAGYHCEAYNNPADFFLDIINGDSTAVALNREEDFKATEIIIEPSKQDKPLIEKLAEI  
YVNSSFYKETKAELHQLSGGEKKKKITVFKEISYTTSFCHQLRWVSKRSFKNLLGNPQASIAQIVTV  
VLGLVIGAIYFGLKNDSTGIQNRAGVLFFLTNQCFSVSAVELFVVEKKLFIHEYISGYRVSSYFLG  
KLLSDLLPMRMLPSIIFTCIVFMLGLKPKADAFVMMFTLMMVAYSASSMALAIAAGQSVSVATL  
LMTICFVFMIFSGLLVNLTTIASWLSWLQYFSPRYGFTALQHNEFLGQNFPCPLNATGNNPCNYA  
TCTGEEYLVKQGIDLSPWGLWKNHVALACMVIFLTIAYLKLLFLKKYS

### Host

Rabbit

### 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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[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/TA P, 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](#)
- [Leukemia](#)
- [Lung Diseases](#)
- [Lung Neoplasms](#)
- [Lymphoma](#)
- [Mesothelioma](#)
- [Metabolic Syndrome X](#)
- [Multiple Sclerosis](#)
- [Myocardial Infarction](#)

- [Nasopharyngeal Neoplasms](#)
- [Neoplasm Recurrence](#)
- [Neoplasms](#)
- [Neovascularization](#)
- [Neurotoxicity Syndromes](#)
- [Neutropenia](#)
- [Obesity](#)
- [Opportunistic Infections](#)
- [Osteoporosis](#)
- [Ovarian cancer](#)
- [Ovarian Neoplasms](#)
- [Pleural Neoplasms](#)
- [Prostate cancer](#)
- [Prostatic Neoplasms](#)
- [Psoriasis](#)
- [Stroke](#)
- [Urogenital Neoplasms](#)