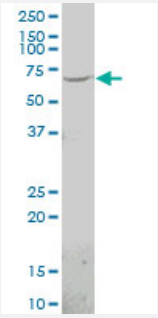
# ABCG2 polyclonal antibody (A01)

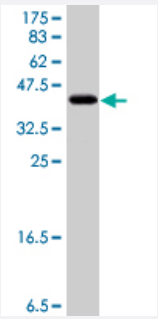
Catalog # H00009429-A01 Size 50 uL

## Applications




### Western Blot (Cell lysate)

ABCG2 polyclonal antibody (A01), Lot # 051017JC01. Western Blot analysis of ABCG2 expression in Raw 264.7.




Western Blot detection against Immunogen (38.21 KDa) .

## Specification

| | |
|---|---|
| **Product Description** | Mouse polyclonal antibody raised against a partial recombinant ABCG2. |
| **Immunogen** | ABCG2 (NP_004818, 1 a.a. ~ 110 a.a) partial recombinant protein with GST tag. |
| **Sequence** | MSSSNVEVFIPVSQGNTNGFPATVSNDLKAFTEGAVLSFHNICYRVKLKSGFLPCRKPVEKEILSNI NGIMKPGLNAILGPTGGGKSSLLDVLAARKDPSGLSGDVLING |
| **Host** | Mouse |
| **Reactivity** | Human, Mouse |
| **Quality Control Testing** | Antibody Reactive Against Recombinant Protein.<br>Western Blot detection against Immunogen (38.21 KDa) . |

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|---|---|
| **Storage Buffer** | 50 % glycerol |
| **Storage Instruction** | Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing. |

## Applications

- Western Blot (Cell lysate)

  ABCG2 polyclonal antibody (A01), Lot # 051017JC01. Western Blot analysis of ABCG2 expression in Raw 264.7.

  Protocol Download

- Western Blot (Recombinant protein)

  Protocol Download

- ELISA

## Gene Info — ABCG2

| | |
|---|---|
| **Entrez GeneID** | 9429 |
| **GeneBank Accession#** | NM_004827 |
| **Protein Accession#** | NP_004818 |
| **Gene Name** | ABCG2 |
| **Gene Alias** | ABC15, ABCP, BCRP, BCRP1, BMDP, CD338, CDw338, EST157481, MGC102821, MRX, MXR, 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 |

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|---|---|
| **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

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- 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

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- 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

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