ABCG2 Conjugated Antibody

Catalog No: #C49354

Package Size: #C49354-AF350 100ul #C49354-AF405 100ul #C49354-AF488 100ul #C49354-AF555 100ul #C49354-AF594 100ul #C49354-AF647 100ul #C49354-AF680 100ul #C49354-AF750 100ul #C49354-Biotin 100ul

Orders: order@signalwayantibody.com
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Description

Product Name	ABCG2 Conjugated Antibody
Host Species	Rabbit
Clonality	Monoclonal
Species Reactivity	Hu, Ms
Immunogen Description	recombinant protein
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	ABC transporter antibody ABC15 antibody ABCG 2 antibody ABCG2 antibody ABCG2_HUMAN antibody ABCP antibody ATP binding cassette sub family G (WHITE) member 2 antibody ATP binding cassette transporter G2 antibody ATP-binding cassette sub-family G member 2 antibody BCRP antibody BCRP1 antibody BMDP antibody Breast cancer resistance protein antibody CD338 antibody CDw338 antibody CDw338 antigen antibody EST157481 antibody GOUT1 antibody MGC102821 antibody Mitoxantrone resistance associated protein antibody Mitoxantrone resistance-associated protein antibody MRX antibody Multi drug resistance efflux transport ATP binding cassette sub family G (WHITE) member 2 antibody MXR antibody MXR1 antibody Placenta specific ATP binding cassette transporter antibody Placenta specific MDR protein antibody Placenta-specific ATP-binding cassette transporter antibody UAQTL1 antibody
Accession No.	Swiss-Prot#:Q9UNQ0
Uniprot	Q9UNQ0
GeneID	9429;
Excitation Emission	AF350: 346nm/442nm AF405: 401nm/421nm AF488: 493nm/519nm AF555: 555nm/565nm AF594: 591nm/614nm AF647: 651nm/667nm AF680: 679nm/702nm AF750: 749nm/775nm
Calculated MW	72 kDa
Formulation	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Storage	Store at 4°C in dark for 6 months

Application Details

Suggested Dilution:

AF350 conjugated: most applications: 1: 50 - 1: 250

AF405 conjugated: most applications: 1: 50 - 1: 250

AF488 conjugated: most applications: 1: 50 - 1: 250

AF555 conjugated: most applications: 1: 50 - 1: 250

AF594 conjugated: most applications: 1: 50 - 1: 250

AF647 conjugated: most applications: 1: 50 - 1: 250

AF680 conjugated: most applications: 1: 50 - 1: 250

AF750 conjugated: most applications: 1: 50 - 1: 250

Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1: 50 - 1: 1,000

Background

ATP-binding cassette (ABC) transporters are an evolutionarily conserved family of proteins that catalyze the transport of molecules across extracellular and intracellular membranes through the energy of ATP hydrolysis. The ABC half-transporter, ABCG2, is also known as placenta-specific ABC transporter and breast cancer resistance protein (BCRP1). ABCG2 confers resistance for a variety of chemotherapeutic agents, including anthracyclines, mitoxantrone, bisantrene and topotecan. Under normal conditions, ABCG2 may serve a protective function by removing toxins from the cell, and plays an important role in regulating stem cell differentiation. ABCG2 is responsible for the side population (SP) phenotype and is widely expressed in a large variety of stem cells, making it an important stem cell marker. ABCG2 may have N-linked glycosylation and may dimerize in vivo. ABCG2 is abundantly expressed in placenta, liver, intestine and stem cells.

Note: This product is for in vitro research use only