

For Research Use Only

BCRP/ABCG2 Monoclonal antibody

Catalog Number: 60080-1-Ig **3 Publications**



Basic Information

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|---|---|--|
| Catalog Number: 60080-1-Ig | GenBank Accession Number: BC021281 | Purification Method: Caprylic acid/ammonium sulfate precipitation |
| Size: 150ul , Concentration: 1320 µg/ml by Bradford method using BSA as the standard; | GeneID (NCBI): 9429 | CloneNo.: 1D5F8 |
| Source: Mouse | UNIPROT ID: Q9UNQ0 | Recommended Dilutions: WB 1:500-1:1000 IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate |
| Isotype: IgG1 | Full Name: ATP-binding cassette, sub-family G (WHITE), member 2 | |
| Immunogen Catalog Number: AG4869 | Calculated MW: 70 kDa | |
| | Observed MW: 70-80 kDa, 140-160 kDa | |

Applications

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|--|---|
| Tested Applications: WB, IP, ELISA | Positive Controls: WB : Jurkat cells, IP : NCCIT cell, |
| Cited Applications: WB | |
| Species Specificity: human | |
| Cited Species: human, mouse | |

Background Information

BCRP (breast cancer resistance protein) confers a broad spectrum of drug resistance and the expression of BCRP is enhanced in several cancer cell models. It has ATPase activity and belongs to a family of multiple drug resistant proteins. Data also indicated that BCRP might be an early marker for some stem cells.

Notable Publications

| Author | Pubmed ID | Journal | Application |
|-------------|-----------|------------------------|-------------|
| Simiao Yu | 36403705 | Fish Shellfish Immunol | WB |
| Jinfan Liu | 37269551 | J Agric Food Chem | WB |
| Jiaxue Peng | 37087072 | J Nutr Biochem | WB |

Storage

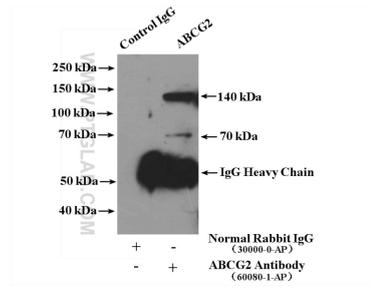
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.1% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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W: ptglab.com

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Selected Validation Data



Jurkat cells were subjected to SDS PAGE followed by western blot with 60080-1-Ig (BCRP/ABCG2 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.

IP result of anti-BCRP/ABCG2 (IP:60080-1-Ig, 4ug; Detection:60080-1-Ig 1:1000) with NCCIT cell lysate 2000ug.