

## Product datasheet for **TA302970**

### MRP4 (ABCC4) Goat Polyclonal Antibody

#### Product data:

|                       |  |
|-----------------------|--|
| Product Type:         | Primary Antibodies   |
| Applications:         | IHC, WB  |
| Recommended Dilution: | ELISA: 1:64,000. WB: 1-3µg/ml. IHC: 2-4µg/ml.  |
| Reactivity:           | Human, Rat (Expected from sequence similarity: Mouse)  |
| Host:                 | Goat   |
| Isotype:              | IgG  |
| Clonality:            | Polyclonal   |
| Immunogen:            | Peptide with sequence CNGQPSTLTIFETAL, from the C Terminus of the protein sequence according to NP_005836.2.   |
| Formulation:          | Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.  |
| Purification:         | Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide. Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize freezing and thawing. |
| Conjugation:          | Unconjugated   |
| Storage:              | Store at -20°C as received.  |
| Stability:            | Stable for 12 months from date of receipt.   |
| Gene Name:            | ATP binding cassette subfamily C member 4  |
| Database Link:        | <a href="#">NP_001098985</a><br><a href="#">Entrez Gene 170924 Rat</a> <a href="#">Entrez Gene 239273 Mouse</a> <a href="#">Entrez Gene 10257 Human</a><br><a href="#">O15439</a>  |



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**Background:**

The protein encoded by this gene is a member of 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 MRP subfamily which is involved in multi-drug resistance. The specific function of this protein has not yet been determined; however, this protein may play a role in cellular detoxification as a pump for its substrate, organic anions. Alternative splicing results in multiple splice variants encoding different isoforms. [provided by RefSeq]

**Synonyms:**

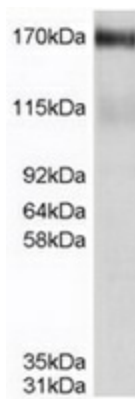
MOAT-B; MOATB; MRP4

**Protein Families:**

Druggable Genome, Ion Channels: Other, Transmembrane

**Protein Pathways:**

ABC transporters

**Product images:**


TA302970 staining (0.5ug/ml) of rat renal cortex membranes (20ug total protein per lane). Detected by western blot using chemiluminescence. Data kindly provided by Dr. Antje Steinbach, Ernst-Moritz-Arndt University of Greifswald.

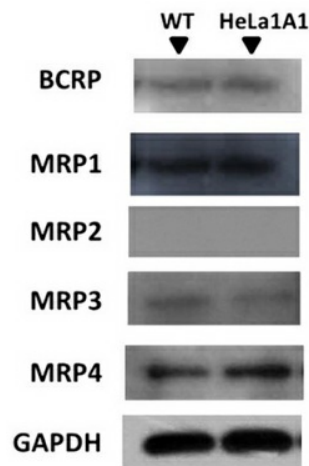


Figure from citation: Western blot analysis of protein expression of BCRP and four MRP family transporters by using anti-ABCG2, anti-ABCC1, anti-ABCC2, anti-ABCC3 and anti-ABCC4 antibody in HeLa and HeLa1A5 cells. [View Citation](#)

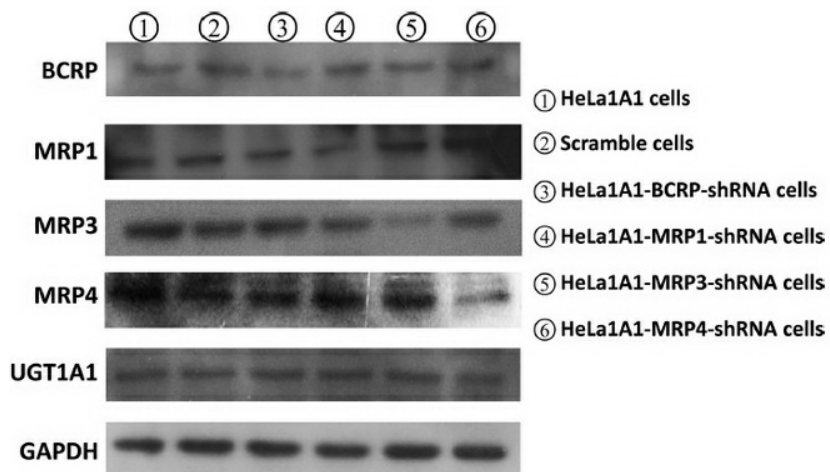
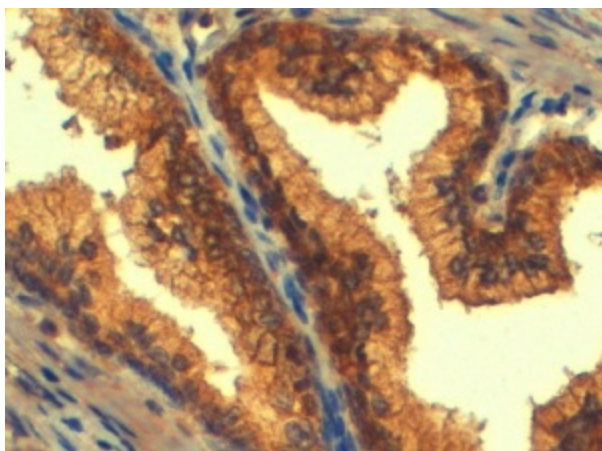


Figure from citation: Western blot analysis of human BCRP, MRP1, MRP3, MRP7 and UGT1A1 protein expression by using anti-ABCG2, anti-ABCC1, anti-ABCC3, anti-ABCC4 and anti-UGT1A1 antibody in various cell lines. [View Citation](#)



TA302970 (4ug/ml) staining of paraffin embedded Human Prostate. Steamed antigen retrieval with Tris/EDTA buffer pH 9, HRP-staining.