

## UK Office

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**Research Use Only. Not for  
diagnostic or therapeutic use.**

## EB06538 - Goat Anti-ABCC4 / MRP4 Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** ABCC4, MRP4, MOATB, MOAT-B, EST170205, ATP-binding cassette, sub-family C (CFTR/MRP), member 4, canalicular multispecific organic anion transporter (ABC superfamily), Multidrug Resistance Protein 4, RP11-74A12.1, ATP-binding cassette, sub-family C, member 4, bA46412.1 (ATP-binding cassette, sub-family C (CFTR/MRP), member 4), canalicular multispecific organic anion transporter (ABC superfamily), multidrug resistance-associated protein 4; multispecific organic anion transporter B

**Official Symbol:** ABCC4

**Accession Number(s):** NP\_005836.2

**Human GeneID(s):** [10257](#)

**Non-Human GeneID(s):** 170924 (rat)

**Important Comments:** This antibody is expected to recognize isoform 1 (NP\_005836.2) only.

### Immunogen

Peptide with sequence CNGQPSTLTIFETAL, from the C Terminus of the protein sequence according to NP\_005836.2.

Please note the [peptide](#) is available for sale.

### Purification and Storage

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.

### Applications Tested

**Peptide ELISA:** antibody detection limit dilution 1:1000.

**IHC:** In paraffin embedded Human Prostate shows membranous staining in the secretory cells. Recommended concentration: 4-6µg/ml.

### Species Reactivity

**Tested:** Human

**Expected from sequence similarity:** Human, Mouse, Rat

### Specific References

**This antibody has been successfully used in IHC and WB on Mouse:**

Weerachayaphorn J, Luo Y, Mennone A, Soroka CJ, Harry K, Boyer JL

Deleterious effect of oltipraz on extrahepatic cholestasis in bile duct-ligated mice.

J Hepatol. 2014 Jan;60(1):160-6

PMID: 23978715

**This antibody has been successfully used in IHC on Human:**

Gori I, Rodriguez Y, Pellegrini C, Ahtari C, Hornung D, Chardonens E, Wunder D, Fiche M, Canny GO.

Augmented epithelial multidrug resistance-associated protein 4 expression in peritoneal endometriosis: regulation by lipoxin A4.

Fertil Steril. 2013 Mar 6.

PMID: 23472950

**This antibody has been successfully used in IHC on Human:**

Montani M, Herrmanns T, Müntener M, Wild P, Sulser T, Kristiansen G

Multidrug resistance protein 4 (MRP4) expression in prostate cancer is associated with androgen signaling and decreases with tumor progression.

Virchows Arch. 2013 Apr;462(4):437-43.

PMID: 23503867

**This antibody has been successfully used in WB on Mouse:**

Weerachayaphorn J, Mennone A, Soroka CJ, Harry K, Hagey LR, Kensler TW, Boyer JL.

Nuclear factor-E2-related factor 2 is a major determinant of bile acid homeostasis in the liver and intestine.

Am J Physiol Gastrointest Liver Physiol. 2012 May 1;302(9):G925-36.

PMID: 22345550

**This antibody has been successfully used in ICC/IF on Human:**

Xu S, Weerachayaphorn J, Cai SY, Soroka CJ, Boyer JL.

Aryl hydrocarbon receptor and NF-E2-related factor 2 are key regulators of human MRP4 expression.

Am J Physiol Gastrointest Liver Physiol. 2010 Jul;299(1):G126-35.

PMID: 20395535

EB06538 (4µg/ml) staining of paraffin embedded Human Prostate. Steamed antigen retrieval with Tris/EDTA buffer pH 9, HRP-staining.