

Research Use Only. Not for diagnostic or therapeutic use.

Storage: For long-term storage keep aliquots at -20°C. (Store no longer than 12 months at 4°C). Minimize freezing and thawing.

EB06538 - Goat Anti-ABCC4 / MRP4 Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: multidrug resistance-associated protein 4; multispecific organic anion transporter B, canalicular multispecific organic anion transporter (ABC superfamily), bA464I2.1 (ATP-binding cassette, sub-family C (CFTR/MRP), member 4), ATP-binding cassette, sub-family C, member 4, RP11-74A12.1, Multidrug Resistance Protein 4, canalicular multispecific organic anion transporter (ABC superfamily), ATP-binding cassette, sub-family C (CFTR/MRP), member 4, EST170205, MOAT-B, MOATB, MRP4, ABCC4

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 1:32000.

Western blot: Approx 170kDa band observed in rat renal cortex membranes (calculated MW of 149kDa according to Rat NP_596902.1 and 150kDa according to Human NP_005836.2). Data obtained from a previous batch and kindly provided by Dr. Antje Steinbach, Ernst-Moritz-Arndt University of Greifswald, Germany. Recommended concentration: 1-3µg/ml.

IHC: In paraffin embedded Human Prostate shows strong cytoplasmic staining in small flat basal cells and weak cytoplasmic staining in the columnar secretory cells of the epithelium. Recommended concentration, 2-4µg/ml.

ICC/IF: This antibody (from a previous batch) has been successfully used in ICC/IF for human primary hepatocytes as described in the following paper: Xu et al, Am J Physiol Gastrointest Liver Physiol. 2010 Jul;299(1):G126-35, PMID: 20395535.

Species Reactivity

Tested: Human, Rat

Expected from sequence similarity: Human, Mouse, Rat

Specific Reference

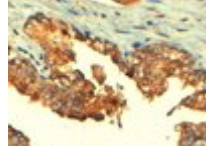
This antibody has been successfully used in the following papers:

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 (4 μ g/ml) staining of paraffin embedded Human Prostate. Steamed antigen retrieval with citrate buffer pH 6, HRP-staining.