

UK Office

Everest Biotech Ltd

Cherwell Innovation Centre 77 Heyford Park Upper Heyford Oxfordshire OX25 5HD UK

Enquiries:

info@everestbiotech.com Sales: sales@everestbiotech.com Tech support: support@everestbiotech.com

Tel: +44 (0)1869 238326

www.everestbiotech.com

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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, bA464I2.1 (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 GenelD(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. **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 (previous batch) has been successfully used in WB on Human: 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 (previous batch) has been successfully used in IHC on Human:

Gori I, Rodriguez Y, Pellegrini C, Achtari C, Hornung D, Chardonnens 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 (previous batch) 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 (previous batch) 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.

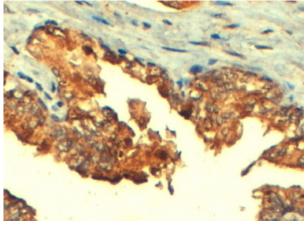
Am J Physiol Gastrointest Liver Physiol. 2012 May 1;302(9):G925-36. PMID: 22345550

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