Everest Biotech Ltd
Cherwell Innovation Centre
77 Heyford Park
Upper Heyford
Oxfordshire
OX25 5HD, United Kingdom

everestbiotech.com

sales@everestbiotech.com
support@everestbiotech.com

Tel +44 1869 238326
Fax +44 1869 238327

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.

EB06118 - Goat Anti-ATP6IP2 / Renin receptor Antibody

Size: 100µg specific antibody in 200µl

Target Protein

Principal Names: embryonic liver differentiation factor 10, ATPase, H+ transporting, lysosomal interacting protein 2, XMRE, MSTP009, MRXE, MGC99577, HT028, ELDF10, ATPase, H+ transporting, lysosomal (vacuolar proton pump) membrane sector associated protein M8-9, vacuolar ATP synthase membrane sector associated protein M8-9, ATPase membrane sector associated protein M8-9, V-ATPase M8.9 subunit, renin receptor, ATP6M8-9, APT6M8-9, M8-9, ATPase, H+ transporting, lysosomal interacting protein 2, ATP6IP2, ATP6AP2
Official Symbol: ATP6AP2
Accession Number(s): NP_005756.2
Human GeneID(s): 10159
Non-Human GeneID(s): 70495 (mouse)

Immunogen

Peptide with sequence C-SIIYRMTNQKIRMD, from the C Terminus of the protein sequence according to NP_005756.2.

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 1:16000.
Western blot: Approx 37kDa band observed in Human Kidney lysates (calculated MW of 39.0kDa according to NP_005756.2). Recommended for use at 0.25-1µg/ml
IHC: This antibody has been successfully used for human placenta in the following paper: Pringle et al, J Renin Angiotensin Aldosterone Syst. 2010 Aug 11, PMID: 20702505.

Species Reactivity

Tested: Human, Mouse, Rat
Expected from sequence similarity: Human, Mouse, Rat, Cow

Specific References

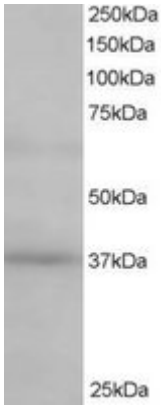
This antibody has been successfully used in the following papers:
Pringle KG, Zakar T, Yates D, Mitchell CM, Hirst JJ, Lumbers ER.
Molecular evidence of a (pro)renin/(pro)renin receptor system in human intrauterine tissues in pregnancy and its association with PGHS-2.
J Renin Angiotensin Aldosterone Syst. 2010 Aug 11.
PMID: 20702505

The goat polyclonal antibody used in the following papers was manufactured by us:
Kaneshiro Y, Ichihara A, Sakoda M, Takemitsu T, Nabi AH, Uddin MN, Nakagawa T, Nishiyama A, Suzuki F, Inagami T, Itoh H.
Slowly progressive, angiotensin II-independent glomerulosclerosis in human (pro)renin receptor-transgenic rats.

J Am Soc Nephrol. 2007 Jun;18(6):1789-95.
PMID: 17494887

Advani A, Kelly DJ, Cox AJ, White KE, Advani SL, Thai K, Connelly KA, Yuen D, Trogadis J, Herzenberg AM, Kuliszewski MA, Leong-Poi H, Gilbert RE.
The (Pro)renin receptor: site-specific and functional linkage to the vacuolar H+-ATPase in the kidney.
Hypertension. 2009 Aug;54(2):261-9.
PMID: 19546380

Schefe JH, Neumann C, Goebel M, Danser J, Kirsch S, Gust R, Kintscher U, Unger T, Funke-Kaiser H.
Prorenin engages the (pro)renin receptor like renin and both ligand activities are unopposed by aliskiren.
J Hypertens. 2008 Sep;26(9):1787-94.
PMID: 18698213



EB06118 staining (0.5µg/ml) of Human Kidney lysate (RIPA buffer, 35µg total protein per lane). Primary incubated for 1 hour. Detected by western blot using chemiluminescence.