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diagnostic or therapeutic use.**

EB06118-T - Goat Anti-ATP6IP2 / Renin receptor Antibody - Trial

Size: 20µg specific antibody in 40µl



Target Protein

Principal Names: ATP6AP2, ATP6IP2, ATPase, H⁺ transporting, lysosomal interacting protein 2, M8-9, APT6M8-9, ATP6M8-9, renin receptor, V-ATPase M8.9 subunit, ATPase membrane sector associated protein M8-9, vacuolar ATP synthase membrane sector associated protein M8-9, ATPase, H⁺ transporting, lysosomal (vacuolar proton pump) membrane sector associated protein M8-9, ELDF10, HT028, MGC99577, MRXE, MSTP009, XMRE, ATPase, H⁺ transporting, lysosomal interacting protein 2, embryonic liver differentiation factor 10

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 Mouse Kidney lysates (calculated MW of 39.1kDa according to NP_081715.1). An additional band of 45kDa was also observed in some lysates, which was completely blocked by the immunizing peptide. Recommended concentration: 1-2µg/ml. Primary incubation 1 hour at room temperature.

IHC: This antibody has been successfully used on Human tissue in the following papers: Pringle et al, J Renin Angiotensin Aldosterone Syst. 2010 Aug 11, PMID: 20702505. Delforce et al, Endocr Connect. 2017 Jan;6(1):9-19, PMID: 27956412.

Flow Cytometry: Flow cytometric analysis of HeLa cells. Recommended concentration: 10ug/ml.

Species Reactivity

Tested: Human, Mouse

Expected from sequence similarity: Human, Rat

Specific References

This antibody has been successfully used in IHC in Human:

Sarah J Delforce, Eugenie R Lumbers, Celine Corbisier de Meaultsart, Yu Wang, Anthony Proietto, Geoffrey Otton, Jim Scurry, Nicole M Verrills, Rodney J Scott and Kirsty G Pringle.

Expression of renin-angiotensin system (RAS) components in endometrial cancer. Endocr Connect. 2017 Jan;6(1):9-19.

PMID: 27956412

This antibody has been successfully used in IHC in Human:

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

This antibody has been successfully used in Rat in the following paper:

Zhu A, Yoneda T, Demura M, Karashima S, Usukura M, Yamagishi M, Takeda Y.

Effect of mineralocorticoid receptor blockade on the renal renin-angiotensin system in Dahl salt-sensitive hypertensive rats.

J Hypertens. 2009 Apr;27(4):800-5.

PMID: 19516179

EB06118 (2µg/ml) of Mouse Kidney lysate (RIPA buffer, 35µg total protein per lane). Detected by chemiluminescence.

EB06118 Flow cytometric analysis of paraformaldehyde fixed HeLa cells (blue line), permeabilized with 0.5% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml). IgG control: Unimmunized goat IgG (black line) followed by Alexa Fluor 488 secondary antibody.