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EB06118 - Goat Anti-ATP6IP2 / Renin receptor Antibody

Size: 100µg specific antibody in 200µl



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 GenelD(s): 10159

Non-Human GenelD(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 1:8000.

Western blot: Approx 38-39kDa band observed in Human Cerebellum and in Human and Rat Heart lysates (calculated MW of 39.0kDa according to Human NP_005756.2 and Rat NP_001007092.1). Recommended concentration 0.3-1µg/ml. Primary incubation 1 hour at room temperature.

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

Species Reactivity

Tested: Human, Rat

Expected from sequence similarity: Human, Rat

Specific References

This antibody (previous batch) has been successfully used in Western blot on Mouse:

Yun-Cheng Hsieh, Kuei-Chuan Lee, Hao-Jan Lei, Keng-Hsin Lan, Teh-Ia Huo, Yi-Tsung Lin, Che-Chang Chan, Bernd Schnabl, Yi-Hsiang Huang, Ming-Chih Hou, Han-Chieh Lin (Pro)renin Receptor Knockdown Attenuates Liver Fibrosis Through Inactivation of ERK/TGF-β1/SMAD3 Pathway.

Cell Mol Gastroenterol Hepatol. 2021;12(3):813-838.

PMID: 34087453

This antibody (previous batch) has been successfully used in IHC on 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.

 ${\bf Expression\ of\ renin-angiotensin\ system\ (RAS)\ components\ in\ endometrial\ cancer.}$

Endocr Connect. 2017 Jan;6(1):9-19.

PMID: 27956412

This antibody (previous batch) has been successfully used in IHC on 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.

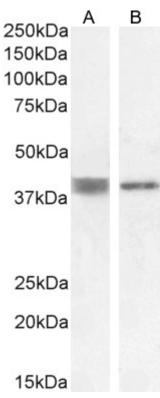
PMID: 20702505

This antibody (previous batch) 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.

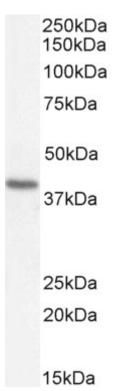
J Hypertens. 2009 Apr;27(4):800-5.

PMID: 19516179

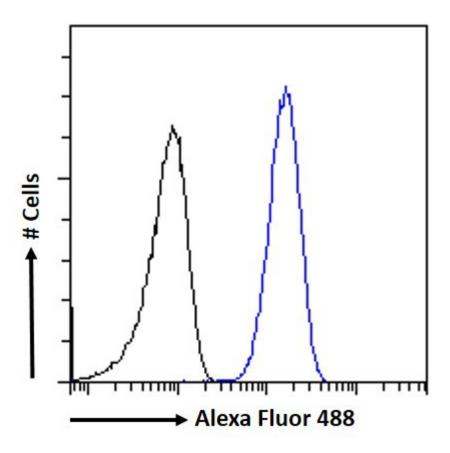


EB06118 (0.5μg/ml) staining of Human Cerebellum (A) and Heart (B) lysate (35μg protein in RIPA buffer).

Detected by chemiluminescence.



 $EB06118\ (0.5\mu\text{g/ml})\ staining\ of\ Rat\ Heart\ lysate\ (35\mu\text{g}\ protein\ in\ RIPA\ buffer).\ Detected\ by\ chemiluminescence.$



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.