


Product datasheet

Anti-Prorenin antibody [6E2-B7] ab219071

1 Image

Overview

Product name	Anti-Prorenin antibody [6E2-B7]
Description	Mouse monoclonal [6E2-B7] to Prorenin
Host species	Mouse
Tested applications	Suitable for: IHC-P
Species reactivity	Reacts with: Human Predicted to work with: Sheep, Dog, Chimpanzee, Cynomolgus monkey, Rhesus monkey 
Immunogen	Recombinant full length protein corresponding to Human Prorenin. (Glycosylated). Database link: P00797
Epitope	Recognises amino acid residues 16-29 (MPSIRESLKERGVD) of the prosegment of Prorenin.
Positive control	Human kidney tissue.
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	pH: 6.60 Constituents: 0.58% Sodium chloride, 0.03% EDTA, 0.82% Sodium phosphate
Purity	Protein G purified
Clonality	Monoclonal
Clone number	6E2-B7
Isotype	IgG1

Applications

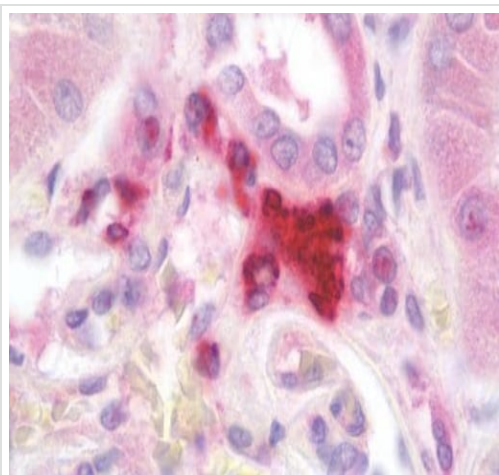
The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab219071 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P		Use a concentration of 20 µg/ml. Perform heat mediated antigen retrieval before commencing with IHC staining protocol.

Target

Function	Renin is a highly specific endopeptidase, whose only known function is to generate angiotensin I from angiotensinogen in the plasma, initiating a cascade of reactions that produce an elevation of blood pressure and increased sodium retention by the kidney.
Involvement in disease	Defects in REN are a cause of renal tubular dysgenesis (RTD) [MIM:267430]. RTD is an autosomal recessive severe disorder of renal tubular development characterized by persistent fetal anuria and perinatal death, probably due to pulmonary hypoplasia from early-onset oligohydramnios (the Potter phenotype). Defects in REN are the cause of familial juvenile hyperuricemic nephropathy type 2 (HNFJ2) [MIM:613092]. It is a renal disease characterized by juvenile onset of hyperuricemia, slowly progressive renal failure and anemia.
Sequence similarities	Belongs to the peptidase A1 family.
Cellular localization	Secreted. Membrane. Associated to membranes via binding to ATP6AP2.

Images



Immunohistochemical analysis of formalin-fixed, paraffin-embedded human kidney tissue labeling Prorenin with ab219071 at 20 µg/ml.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Prorenin antibody [6E2-B7] (ab219071)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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