abcam

Product datasheet

Anti-UMOD antibody ab233262

2 Images

Overview

Product name	Anti-UMOD antibody
Description	Rabbit polyclonal to UMOD
Host species	Rabbit
Tested applications	**Suitable for:** WB
Species reactivity	**Reacts with:** Human **Predicted to work with:** Dog, Orangutan
Immunogen	Recombinant fragment (His-tag) corresponding to Human UMOD aa 334-589. N-terminal tag. (Expressed in E.coli). Sequence: ECGANDMKVSLGKCQLKSLGFDKVFMYLSDSRCSGFND RDNRDWVSVVTP ARDGPCGTVLTRNETHATYSNTLYLADEIIIRDLNIKINFACS YPLDMKV SLKTALQPMVSALNIRVGGTGMFTVRMALFQTPSYTQPYQ GSSVTLSTEA FLYVGTMLDGGDLSRFALLMTNCYATPSSNATDPLKYFIIQ DRCPHTRDS TIQVVENGESSQGRFSVQMFRFAGNYDLVYLHCEVYLCDT MNEKCKPTCS GTRFRS Database link: P07911 Run BLAST with Run BLAST with
Positive control	WB: Recombinant human UMOD protein, human urine and human serum.
General notes	Previously labelled as Uromucoid. Reproducibility is key to advancing scientific discovery and accelerating scientists' next breakthrough. Abcam is leading the way with our range of recombinant antibodies, knockout-validated antibodies and knockout cell lines, all of which support improved reproducibility. We are also planning to innovate the way in which we present recommended applications and species on our product datasheets, so that only applications & species that have been tested in our own labs, our suppliers or by selected trusted collaborators are covered by our Abpromise™ guarantee.

In preparation for this, we have started to update the applications & species that this product is Abpromise guaranteed for.

We are also updating the applications & species that this product has been "predicted to work with," however this information is not covered by our Abpromise guarantee.

Applications & species from publications and Abreviews that have not been tested in our own labs or in those of our suppliers are not covered by the Abpromise guarantee.

Please check that this product meets your needs before purchasing. 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, as well as customer reviews and Q&As.

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: 7.40 Preservative: 0.02% Sodium azide Constituents: PBS, 50% Glycerol
Purity	Immunogen affinity purified
Purification notes	Antigen-specific affinity chromatography followed by Protein A affinity chromatography.
Clonality	Polyclonal
Isotype	IgG

Applications

Our Abpromise guarantee covers the use of **ab233262** 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
WB		Use a concentration of 1 - 5 µg/ml. Predicted molecular weight: 70 kDa.

Target

Function	Not known. May play a role in regulating the circulating activity of cytokines as it binds to IL-1, IL-2 and TNF with high affinity.
Tissue specificity	Synthesized by kidney. Most abundant protein in normal human urine.
Involvement in disease	Defects in UMOD are the cause of familial juvenile hyperuricemic nephropathy type 1 (HNFJ1) [MIM:162000]. HNFJ1 is a renal disease characterized by juvenil onset of hyperuricemia, polyuria, progressive renal failure, and gout. The disease is associated with interstitial pathological changes resulting in fibrosis. Defects in UMOD are the cause of medullary cystic kidney disease type 2 (MCKD2) [MIM:603860]. MCKD2 is a form of tubulointerstitial nephropathy characterized by formation of

	renal cysts at the corticomedullary junction. It is characterized by adult onset of impaired renal function and salt wasting resulting in end-stage renal failure by the sixth decade. Defects in UMOD are the cause of glomerulocystic kidney disease with hyperuricemia and isosthenuria (GCKDHI) [MIM:609886]. GCKDHI is a renal disorder characterized by a cystic dilation of Bowman space, a collapse of glomerular tuft, and hyperuricemia due to low fractional excretion of uric acid and severe impairment of urine concentrating ability.
Sequence similarities	Contains 3 EGF-like domains. Contains 1 ZP domain.
Cellular localization	Cell membrane. Secreted. Secreted after cleavage in the urine.

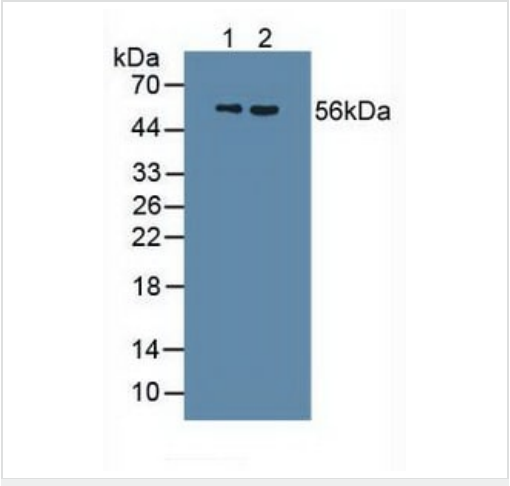
Images

Western blot - Anti-UMOD antibody (ab233262)

Anti-UMOD antibody (ab233262) at 2 µg/ml + Recombinant human UMOD protein

Developed using the ECL technique.

Predicted band size: 70 kDa



Western blot - Anti-UMOD antibody (ab233262)

All lanes : Anti-UMOD antibody (ab233262) at 2 µg/ml

Lane 1 : Human urine
Lane 2 : Human serum

Secondary
All lanes : HRP-Linked Guinea pig anti-rabbit at 1/2000 dilution

Developed using the ECL technique.

Predicted band size: 70 kDa

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