

Product datasheet

Anti-KCTD5 antibody [EPR16312] - C-terminal ab194825

Recombinant RabMAb

8 Images

Overview

Product name	Anti-KCTD5 antibody [EPR16312] - C-terminal
Description	Rabbit monoclonal [EPR16312] to KCTD5 - C-terminal
Host species	Rabbit
Tested applications	Suitable for: Flow Cyt (Intra), ICC/IF, IHC-P, WB
Species reactivity	Reacts with: Mouse, Rat, Human
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
Positive control	HeLa, Jurkat, RAW 264.7, C6 and NIH 3T3 whole cell lysates; Human kidney and Rat liver tissues; A431 cells; Jurkat cells.
General notes	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</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	<p>pH: 7.2</p> <p>Preservative: 0.01% Sodium azide</p> <p>Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA</p>
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR16312
Isotype	IgG

Applications

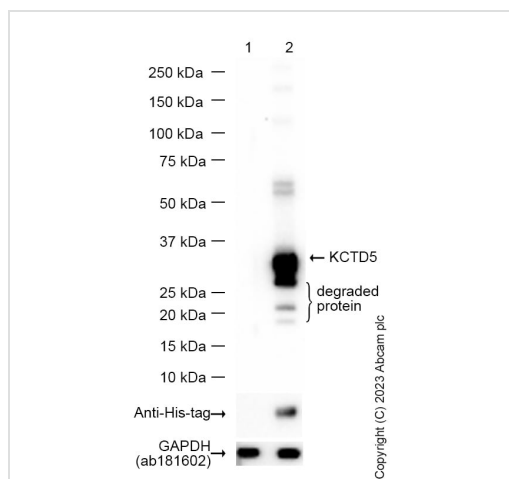
The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab194825 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
Flow Cyt (Intra)		1/70. ab172730 - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.
ICC/IF		1/100.
IHC-P		1/50 - 1/100. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.
WB		1/1000. Detects a band of approximately 26 kDa (predicted molecular weight: 26 kDa).

Target

Function	Its interaction with CUL3 suggests that it may act as a substrate adapter in some E3 ligase complex. Does not affect the function of Kv channel Kv2.1/KCNB1, Kv1.2/KCNA2, Kv4.2/KCND2 and Kv3.4/KCNC4.
Sequence similarities	Contains 1 BTB (POZ) domain.
Domain	The BTB (POZ) domain is atypical and mediates the formation of a homopentamer instead of a homotetramer. Homopentamerization is due to the presence of 4 residues in the BTB (POZ) domain: Leu-56, Gly-100, Val-112 and Ala-118.
Cellular localization	Cytoplasm > cytosol. Nucleus. Predominantly cytoplasmic, translocated to the nucleus upon interaction with Rep proteins.

Images



Western blot - Anti-KCTD5 antibody [EPR16312] - C-terminal (ab194825)

All lanes : Anti-KCTD5 antibody [EPR16312] - C-terminal (ab194825) at 1/1000 dilution

Lane 1 : Human embryonic kidney epithelial cell (HEK293T) whole cell lysate

Lane 2 : Human embryonic kidney epithelial cell (HEK293T) transfected with KCTD5 expression vector containing a His-tag whole cell lysate

Lysates/proteins at 20 µg per lane.

Secondary

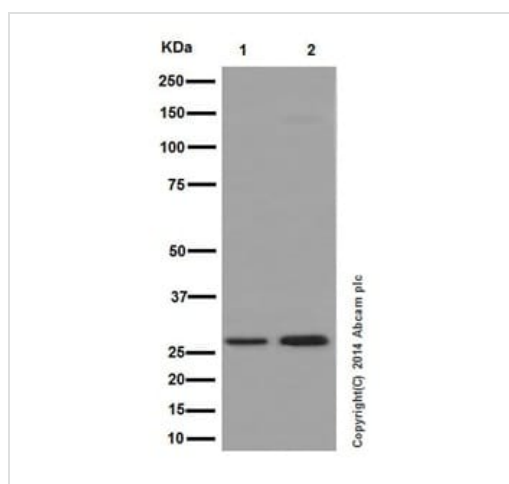
All lanes : Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/20000 dilution

Predicted band size: 26 kDa

Exposure time: 1 second

Blocking and diluting buffer and concentration: 5% NFDM /TBST.

[ab181602](#) was used as a GAPDH loading control.



Western blot - Anti-KCTD5 antibody [EPR16312] - C-terminal (ab194825)

All lanes : Anti-KCTD5 antibody [EPR16312] - C-terminal (ab194825) at 1/1000 dilution

Lane 1 : HeLa whole cell lysates

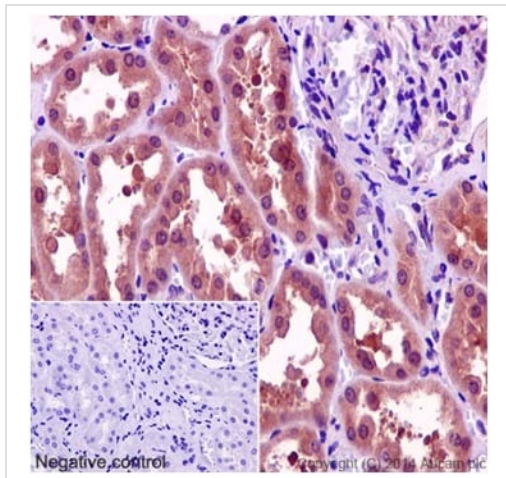
Lane 2 : Jurkat whole cell lysates

Lysates/proteins at 10 µg per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/1000 dilution

Predicted band size: 26 kDa



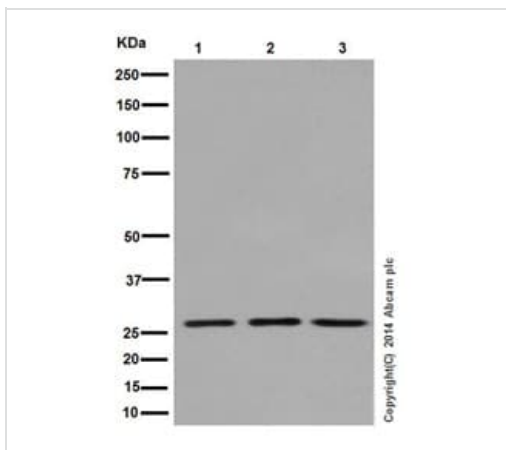
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-KCTD5 antibody [EPR16312] - C-terminal (ab194825)

Immunohistochemical analysis of paraffin-embedded Human kidney tissue labeling KCTD5 with ab194825 at 1/100 dilution (3.8 µg/ml). A Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/500 was used as secondary. Counterstain: Hematoxylin.

Inset image: negative control obtained using PBS instead of ab194825.

Note: Both cytoplasm and nuclear staining on human kidney tissue.

Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



Western blot - Anti-KCTD5 antibody [EPR16312] - C-terminal (ab194825)

All lanes : Anti-KCTD5 antibody [EPR16312] - C-terminal (ab194825) at 1/1000 dilution

Lane 1 : C6 whole cell lysates

Lane 2 : RAW 264.7 whole cell lysates

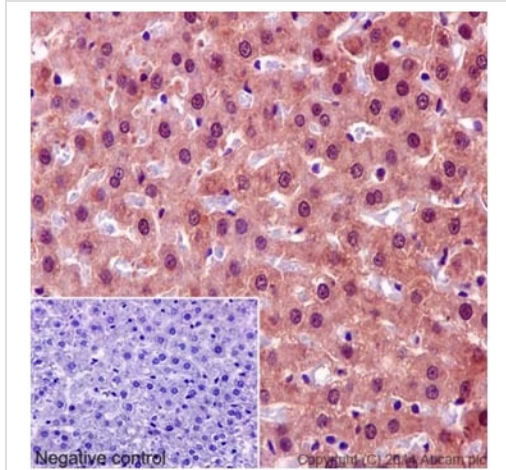
Lane 3 : NIH 3T3 whole cell lysates

Lysates/proteins at 10 µg per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/1000 dilution

Predicted band size: 26 kDa



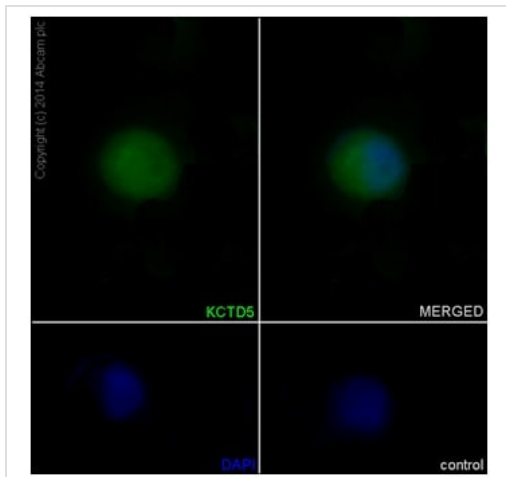
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-KCTD5 antibody [EPR16312] - C-terminal (ab194825)

Immunohistochemical analysis of paraffin-embedded rat liver tissue labeling KCTD5 with ab194825 at 1/100 dilution (3.8 µg/ml). A Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/500 was used as secondary. Counterstain: Hematoxylin.

Inset image: negative control obtained using PBS instead of ab194825.

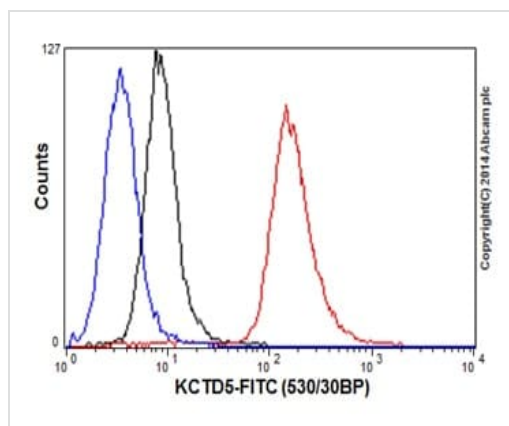
Note: Both cytoplasm and nuclear staining on rat liver tissue.

Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



Immunocytochemistry/ Immunofluorescence - Anti-KCTD5 antibody [EPR16312] - C-terminal (ab194825)

Immunofluorescent analysis of 4% paraformaldehyde-fixed, 0.1% Triton X-100 permeabilized A431 cells labeling KCTD5 with ab194825 at 1/100 dilution (3.8 µg/ml), followed by Goat anti-rabbit IgG (Alexa Fluor® 488) ([ab150077](#)) secondary antibody at 1/400 dilution (green). Counterstained with Dapi (blue). Both cytoplasm and nuclear staining on A431 cell line is observed.



Intracellular flow cytometric analysis of Jurkat cells labeling KCTD5 with ab194825 at 1/70 dilution (Red). A Goat anti rabbit IgG (FITC) at 1/150 dilution was used as secondary antibody. Cells were fixed with 2% paraformaldehyde. Cells without incubation with primary antibody and secondary antibody (Blue). Rabbit monoclonal IgG was used as isotype control (Black).

Flow Cytometry (Intracellular) - Anti-KCTD5 antibody
[EPR16312] - C-terminal (ab194825)

Why choose a recombinant antibody?



Research with confidence
Consistent and reproducible results



Long-term and scalable supply
Recombinant technology



Success from the first experiment
Confirmed specificity



Ethical standards compliant
Animal-free production

Anti-KCTD5 antibody [EPR16312] - C-terminal
(ab194825)

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

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