

Datasheet for 600-401-CD9**KCTD15 Antibody****Overview**

Description:	Anti-KCTD15 (RABBIT) Antibody - 600-401-CD9
Item No.:	600-401-CD9
Size:	100 µg
Applications:	ELISA, IF, IHC, WB
Reactivity:	Human, Mouse, Rat
Host Species:	Rabbit

Product Details

Background:	Childhood and adult obesity in the United States and to a lesser extent the rest of the world has increased dramatically over the past decade. Both environmental and genetic factors are involved in the onset and progression of weight gain. Recently, the potassium channel KCTD15 was identified as a genetic loci associated with higher than normal body mass index (BMI) in humans along with genes such as GNPDA2, MTCH2, FTO, and TMEM18. Further studies on single nucleotide polymorphisms (SNPs) in non-diabetic and diabetic patients showed that FTO was most strongly associated with obesity while MTCH2 and GNPDA2 were still significantly associated with higher than normal BMI levels. At least two isoforms of KCTD15 are known to exist.
Synonyms:	KCTD15 Antibody, Potassium channel tetramerization domain-containing protein 15
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	KCTD15
Reactivity:	Human, Mouse, Rat
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-KCTD15 antibody was prepared from whole rabbit serum produced by repeated immunizations with a 16 amino acid synthetic peptide near the C-terminus of human KCTD15.

Purity/Specificity: Anti-KCTD15 Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. Cross reactivity with KCTD15 from other sources has not been determined.

Relevant Links:

- [UniProtKB - Q96SI1](#)
- [GeneID - 79047](#)
- [NCBI - Q96SI1](#)

Application Details

Tested Applications: ELISA, IF, IHC, WB

Application Note: Anti-KCTD15 Antibody has been tested for use in ELISA, Western Blotting, Immunohistochemistry and Immunofluorescence. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 32 kDa in Western Blots of specific cell lysates and tissues.

Assay Dilutions: All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.

ELISA: 1:5000 - 1:10000

IF: 20 µg/mL

IHC: 2.5 µg/mL

WB: 0.5-1 µg/mL

Formulation

Physical State: Liquid (sterile filtered)

Concentration: 1 mg/mL by UV absorbance at 280 nm

Buffer: 0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2

Preservative: 0.02% (w/v) Sodium Azide

Stabilizer: None

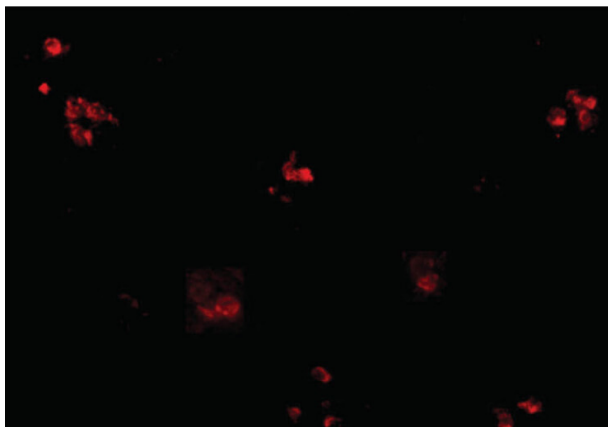
Shipping & Handling

Shipping Condition: Dry Ice

Storage Condition: Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.

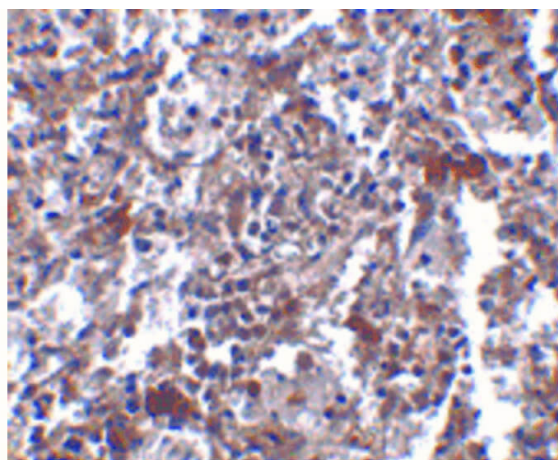
Expiration:

Expiration date is one (1) year from date of receipt.

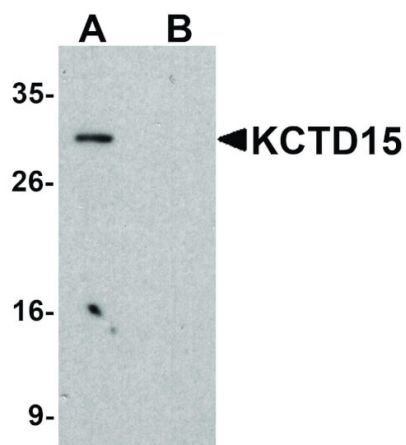
Images**Immunofluorescence Microscopy**

Immunofluorescence Microscopy of KCTD15 antibody.

Tissue: human spleen tissue. Fixation: 0.5% PFA. Antigen retrieval: not required. Primary antibody: KCTD15 antibody at 20 µg/mL for 1 h at RT. Secondary antibody: Fluorescein rabbit secondary antibody at 1:10,000 for 45 min at RT. Staining: KCTD15 as red fluorescent signal.

**Immunohistochemistry**

Immunohistochemistry of KCTD15 antibody. Tissue: human spleen tissue. Fixation: formalin fixed paraffin embedded. Antigen retrieval: not required. Primary antibody: KCTD15 antibody at 2.5 µg/mL for 1 h at RT. Secondary antibody: Peroxidase rabbit secondary antibody at 1:10,000 for 45 min at RT. Staining: KCTD15 as precipitated red signal with hematoxylin purple nuclear counterstain.

**Western Blot**

Western Blot of KCTD15 antibody. Lane 1: HeLa cell lysate with KCTD15 antibody at 1 µg/ml in the absence of blocking buffer. Lane 2: HeLa cell lysate with KCTD15 antibody at 1 µg/ml in the presence of blocking buffer. Load: 35 µg per lane. Secondary antibody: Peroxidase rabbit secondary antibody at 1:10,000 for 45 min at RT. Block: 5% BLOTTO overnight at 4°C. Predicted/Observed size: 32 kDa, 32 kDa for KCTD15. Other band(s): KCTD15 splice variants and isoforms.

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.