

## Allgemeine Informationen

**Katalog-Nr.:**

15553-1-AP

**Größe:**

150ul, Konzentration: 500 µg/ml von Nanodrop und 333 µg/ml durch die Bradford-Methode mit BSA als Standard;

**Wirt:**

Kaninchen

**Isotyp:**

IgG

**Immunogen Katalognummer:**

AG7915

**GenBank-Zugangsnummer:**

BC007314

**GeneID (NCBI):**

54442

**Vollständiger Name:**

potassium channel tetramerisation domain containing 5

**Berechnete Masse:**

26 kDa

**Beobachtete Masse:**

26 kDa

**Reinigungsmethode:**

Antigen-Affinitätsreinigung

**Empfohlene Verdünnungen:**

WB 1:500-1:2000  
IP 0.5-4.0 µg für IP und 1:500-1:1000 für WB  
IHC 1:20-1:200  
IF 1:10-1:100

## Anwendungen

**Geprüfte Anwendungen:**

FC, IF, IHC, IP, WB, ELISA

**In Publikationen genannte Anwendungen:**

IP, WB

**Getestete Reaktivität:**

Human, Maus, Ratte

**Zitierte Arten:**

Human, Ratte

**Hinweis-IHC: Antigendemaskierung mit TE-Puffer pH 9,0 empfohlen. (\*) Wahlweise kann die Antigendemaskierung auch mit Citratpuffer pH 6,0 erfolgen.**

**Positivkontrollen:**

WB : HeLa-Zellen, humanes Hirngewebe

IP : HeLa-Zellen,

IHC : humanes Ovarialkarzinomgewebe,

IF : HeLa-Zellen,

## Hintergrundinformationen

KCTD5 belongs to the human potassium (K<sup>+</sup>) channel tetramerization domain (KCTD) family of proteins which share sequence similarity with the cytoplasmic domain of voltage-gated K<sup>+</sup> channels (Kv channels). The KCTD proteins have relatively conserved N-terminal domains and variable C-termini (PMID: 24268103). KCTD5 interacts with cullin3 and has been proposed to function as substrate adapter for cullin3 based ubiquitin E3 ligases (PMID: 26188516). This polyclonal antibody raised against full-length recombinant protein of human KCTD5 (26 kDa) can cross-react with other KCTD proteins, including KCTD2 (29 kDa), KCTD17 (33-36 kDa).

## Bemerkenswerte Veröffentlichungen

| Verfasser   | Pubmed ID | Journal    | Anwendung |
|-------------|-----------|------------|-----------|
| Hao Zeng    | 31741433  | Elife      | WB        |
| Peipei Ding | 35649359  | Cell Rep   | WB        |
| Qiuling Li  | 28558011  | PLoS Genet | WB        |

## Lagerung

**Lagerungsbedingungen:**

Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil

**Lagerungspuffer:**

PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.

Aliquotieren ist nicht notwendig bei -20°C Lagerung

\*\*\* 20ul-Größen enthalten 0.1% BSA

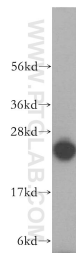
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

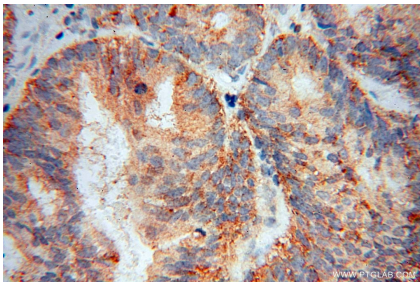
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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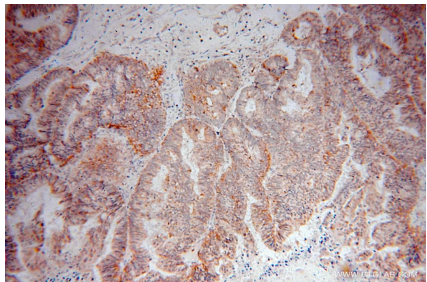
Ausgewählte Validierungsdaten



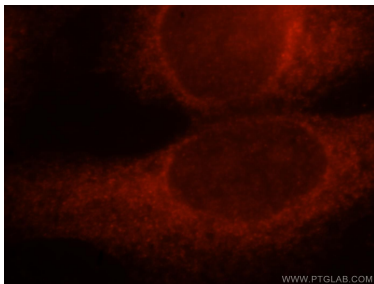
HeLa cells were subjected to SDS PAGE followed by western blot with 15553-1-AP (KCTD5 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



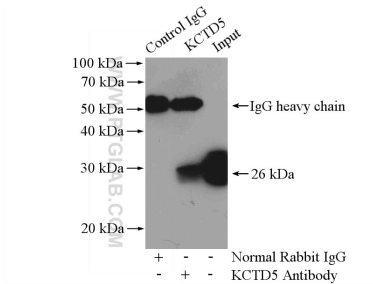
Immunohistochemical analysis of paraffin-embedded human ovary tumor using 15553-1-AP (KCTD5 antibody) at dilution of 1:50 (under 40x lens).



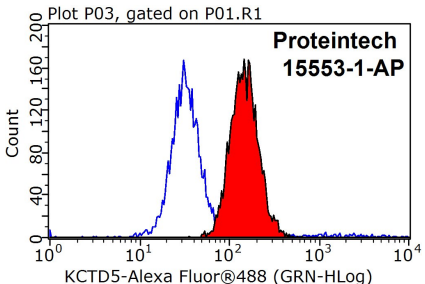
Immunohistochemical analysis of paraffin-embedded human ovary tumor using 15553-1-AP (KCTD5 antibody) at dilution of 1:50 (under 10x lens).



Immunofluorescent analysis of HeLa cells, using KCTD5 antibody 15553-1-AP at 1:25 dilution and Rhodamine-labeled goat anti-rabbit IgG (red).



IP Result of anti-KCTD5 (IP:15553-1-AP, 4ug; Detection:15553-1-AP 1:500) with HeLa cells lysate 1200ug.



1X10<sup>6</sup> HeLa cells were stained with 0.2ug KCTD5 antibody (15553-1-AP, red) and control antibody (blue). Fixed with 90% MeOH blocked with 3% BSA (30 min). Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) with dilution 1:1000.