

**PAJ353Hu01**

**Polyclonal Antibody to Coactosin Like Protein 1 (COTL1)**

**Organism Species: *Homo sapiens (Human)***

***Instruction manual***

FOR RESEARCH USE ONLY

NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

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13th Edition (Revised in Aug, 2023)

### [ **PROPERTIES** ]

**Source:** Polyclonal antibody preparation

**Host:** Rabbit

**Purification:** Antigen-specific affinity chromatography followed by Protein A affinity chromatography

**Traits:** Liquid

**Concentration:** 0.5mg/mL

**UOM:** 100µl

**Cross Reactivity:** Mouse

**Applications:** WB; IHC; ICC/IF

### [ **IMMUNOGEN** ]

**Immunogen:** Recombinant COTL1 (Met1~Glu142) expressed in *E.coli*

**Accession No.:** RPJ353Hu01

### [ **APPLICATIONS** ]

Western blotting: 0.01-2µg/mL;

Immunohistochemistry: 5-30µg/mL;

Immunocytochemistry: 5-20µg/mL;

Optimal working dilutions must be determined by end user.

### [ **FORMULATION** ]

**Form & Buffer:** Supplied as solution form in 0.01M PBS, pH7.4, containing 0.05% Proclin-300, 50% glycerol.

### [ **STORAGE AND STABILITY** ]

**Storage:** Avoid repeated freeze/thaw cycles.

Store at 4°C for frequent use.

Aliquot and store at -20°C for 24 months.

**Stability Test:** The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no

obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

**[ IDENTIFICATION ]**

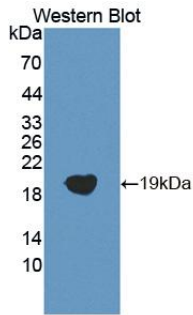
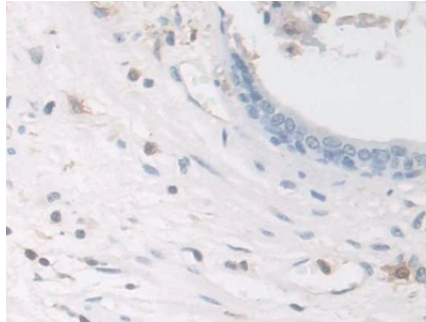
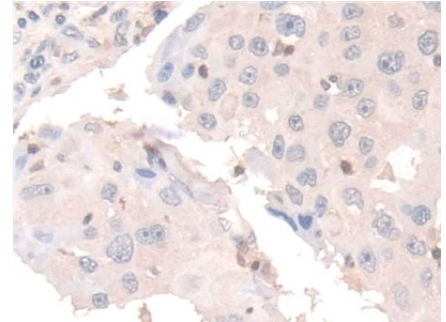


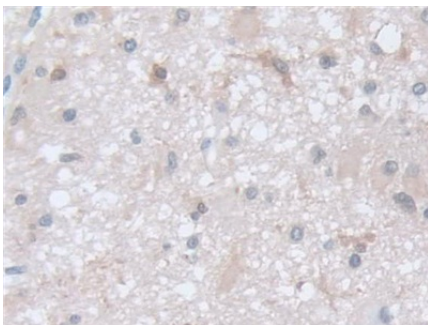
Figure. Western Blot ; Sample: Recombinant COTL1, Human.



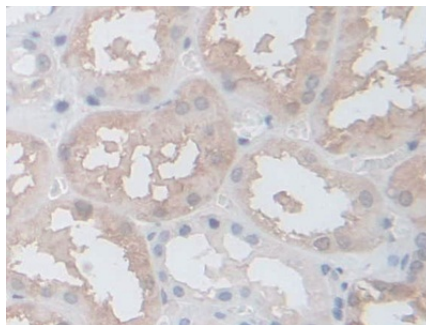
DAB staining on IHC-P; Samples: Human Prostate Tissue; Primary Ab: 30µg/ml Rabbit Anti-Human COTL1 Antibody Second Ab: 2µg/mL HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody (Catalog: SAA544Rb19)



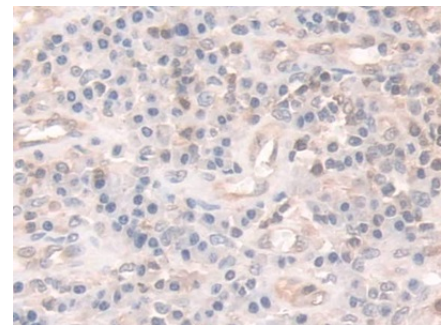
DAB staining on IHC-P; Samples: Human Breast cancer Tissue; Primary Ab: 30µg/ml Rabbit Anti-Human COTL1 Antibody Second Ab: 2µg/mL HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody (Catalog: SAA544Rb19)



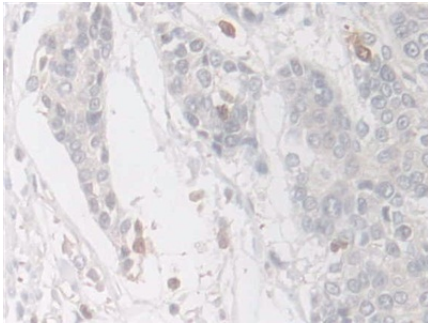
DAB staining on IHC-P; Samples: Human Glioma Tissue; Primary Ab: 30µg/ml Rabbit Anti-Human COTL1 Antibody Second Ab: 2µg/mL HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody (Catalog: SAA544Rb19)



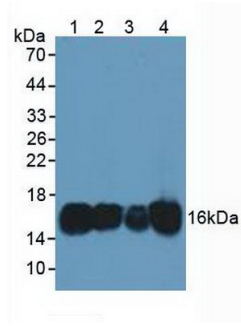
DAB staining on IHC-P; Samples: Human Kidney Tissue; Primary Ab: 30µg/ml Rabbit Anti-Human COTL1 Antibody Second Ab: 2µg/mL HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody (Catalog: SAA544Rb19)



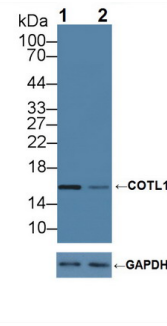
DAB staining on IHC-P; Samples: Human Appendix Tissue; Primary Ab: 30µg/ml Rabbit Anti-Human COTL1 Antibody Second Ab: 2µg/mL HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody (Catalog: SAA544Rb19)



DAB staining on IHC-P;  
 Samples: Human Prostate cancer  
 Tissue;  
 Primary Ab: 30µg/ml Rabbit Anti-  
 Human COTL1 Antibody  
 Second Ab: 2µg/mL HRP-Linked  
 Caprine Anti-Rabbit IgG Polyclonal  
 Antibody  
 (Catalog: SAA544Rb19)



Western Blot; Sample: Lane1: Human  
 Lung lysate; Lane2: HeLa cell lysate;  
 Lane3: Mouse Placenta lysate; Lane4:  
 Mouse Kidney lysate  
 Primary Ab: 1µg/ml Rabbit Anti-Human  
 COTL1 Antibody  
 Second Ab: 0.2µg/mL HRP-Linked  
 Caprine Anti-Rabbit IgG Polyclonal  
 Antibody  
 (Catalog: SAA544Rb19)



Knockout Verification:  
 Lane 1: Wild-type HeLa cell lysate;  
 Lane 2: COTL1 knockout HeLa cell  
 lysate;  
 Predicted MW: 16kd  
 Observed MW: 16kd  
 Primary Ab: 1µg/ml Rabbit Anti-Human  
 COTL1 Antibody  
 Second Ab: 0.2µg/mL HRP-Linked  
 Caprine Anti-Rabbit IgG Polyclonal  
 Antibody  
 (Catalog: SAA544Rb19)

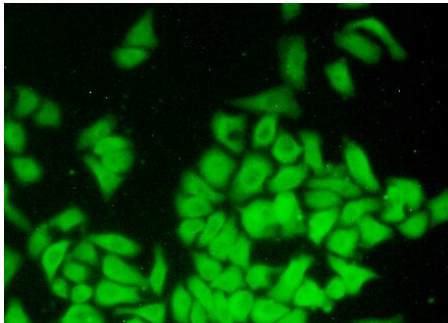
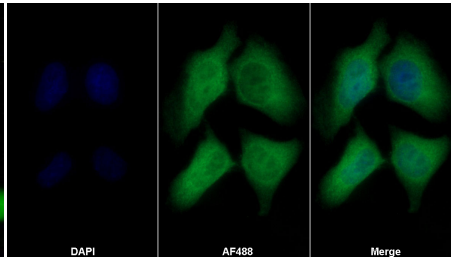


Figure: FITC staining on IHC-P;  
 Sample: HeLa cells.



AF488 staining on IF;  
 Sample: HepG2 cell  
 Primary Ab: 20µg/ml Rabbit Anti-  
 Human COTL1 Antibody  
 Second Ab: 2µg/ml AF488-Linked  
 Caprine Anti-Rabbit IgG Polyclonal  
 Antibody  
 (Catalog: SAA544Rb11)

[ **IMPORTANT NOTE** ]

The kit is designed for research use only, we will not be responsible for any issue if the kit was used in clinical diagnostic or any other procedures.