PAG991Hu01

Polyclonal Antibody to TTK Protein Kinase (TTK)

Organism Species: *Homo sapiens (Human)*

Instruction manual

FOR RESEARCH USE ONLY

NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

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:

Applications: WB,IHC,ICC/IF

[IMMUNOGEN]

Immunogen: Recombinant TTK (Gly532~Leu786) expressed in *E.coli*

Accession No.: RPG991Hu01

[APPLICATIONS]

Western blotting: 0.01-2µg/mL;

Immunohistochemistry: 5-20µg/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 4ºC for frequent use.

Aliquot and store at -20ºC 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]

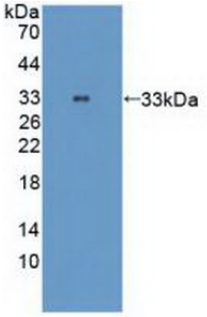
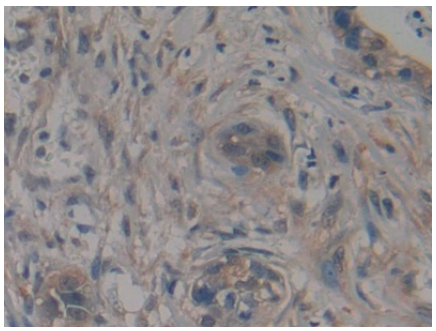
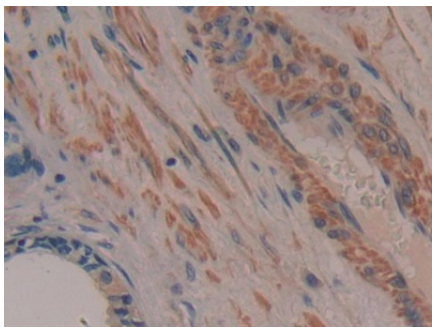


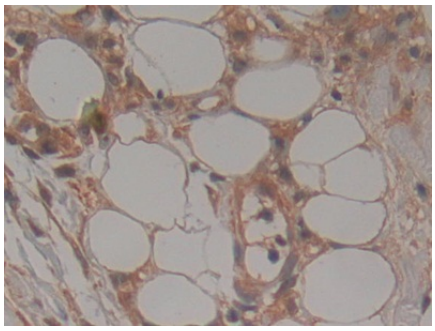
Figure. Western Blot; Sample: Recombinant TTK, Human.



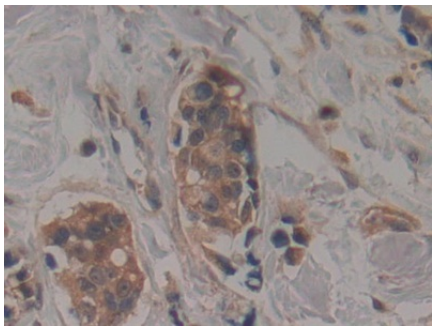
DAB staining on IHC-P; Samples: Human Pancreatic cancer Tissue; Primary Ab: 10μg/ml Rabbit Anti-Human TTK Antibody Second Ab: 2μg/mL HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody (Catalog: SAA544Rb19)



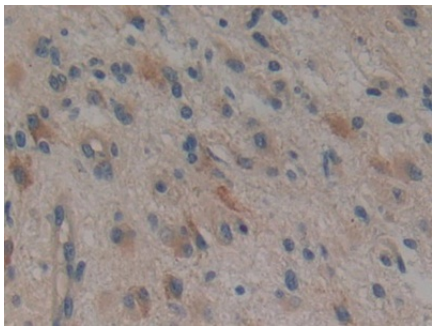
DAB staining on IHC-P; Samples: Human Prostate cancer Tissue; Primary Ab: 10μg/ml Rabbit Anti-Human TTK Antibody Second Ab: 2μg/mL HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody (Catalog: SAA544Rb19)



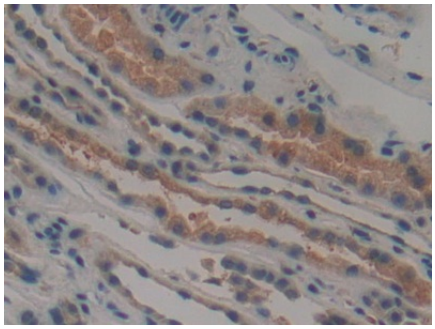
DAB staining on IHC-P; Samples: Human Skin cancer Tissue; Primary Ab: 10μg/ml Rabbit Anti-Human TTK Antibody Second Ab: 2μg/mL HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody (Catalog: SAA544Rb19)



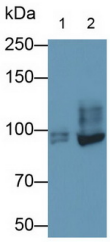
DAB staining on IHC-P; Samples: Human Breast cancer Tissue; Primary Ab: 10μg/ml Rabbit Anti-Human TTK Antibody Second Ab: 2μg/mL HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody (Catalog: SAA544Rb19)



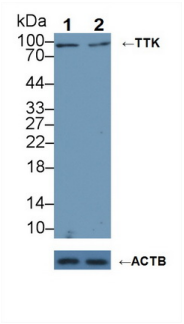
DAB staining on IHC-P; Samples: Human Glioma Tissue; Primary Ab: 10μg/ml Rabbit Anti-Human TTK Antibody Second Ab: 2μg/mL HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody (Catalog: SAA544Rb19)



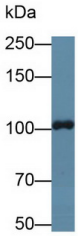
DAB staining on IHC-P;
Samples: Human Kidney Tissue;
Primary Ab: 10µg/ml Rabbit Anti-Human TTK Antibody
Second Ab: 2µg/mL HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody
(Catalog: SAA544Rb19)



Western Blot; Sample: Lane1: Hela cell lysate; Lane2: MCF7 cell lysate
Primary Ab: 1.5µg/ml Rabbit Anti-Human TTK Antibody
Second Ab: 0.2µg/mL HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody
(Catalog: SAA544Rb19)



Knockout Varification:
Lane 1: Wild-type Hela cell lysate;
Lane 2: TTK knockout Hela cell lysate;
Predicted MW: 97kd
Observed MW: 100kd
Primary Ab: 5µg/ml Rabbit Anti-Human TTK Antibody
Second Ab: 0.2µg/mL HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody
(Catalog: SAA544Rb19)



Western Blot; Sample: Mouse Heart lysate
Primary Ab: 5µg/ml Rabbit Anti-Human TTK Antibody
Second Ab: 0.2µg/mL HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody
(Catalog: SAA544Rb19)

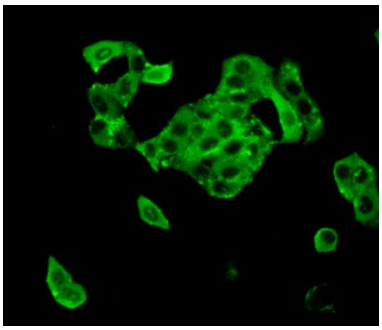
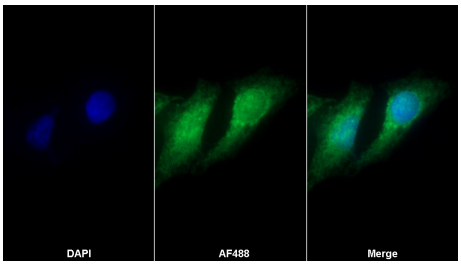


Figure: FITC staining on IHC-P;
Sample: MCF7 cells.



AF488 staining on IF;
Sample: Hela cell
Primary Ab: 20µg/ml Rabbit Anti-Human TTK 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.