

PAG963Hu01

Polyclonal Antibody to Thymidylate Synthetase (TYMS)

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: Rat

Applications: WB,IHC

[**IMMUNOGEN**]

Immunogen: Recombinant TYMS (Gln36~Val313) expressed in *E.coli*

Accession No.: RPG963Hu01

[**APPLICATIONS**]

Western blotting: 0.5-2µg/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 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]

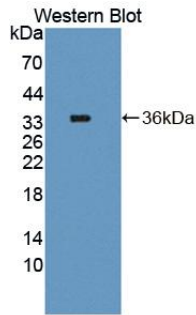
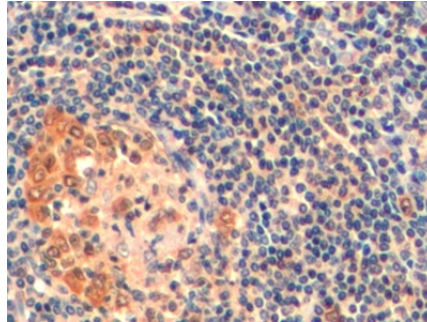
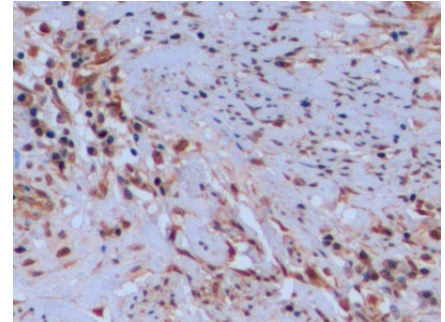


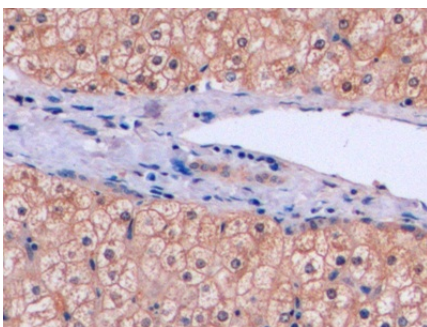
Figure. Western Blot; Sample: Recombinant TYMS, Human.



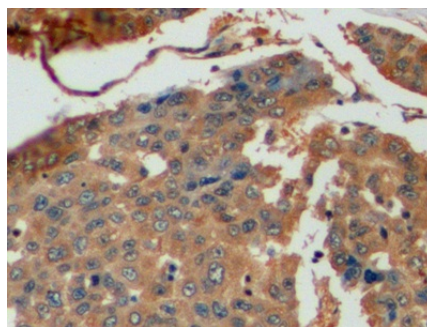
DAB staining on IHC-P; Samples: Human Tonsil Tissue; Primary Ab: 10µg/ml Rabbit Anti-Human TYMS Antibody Second Ab: 2µg/mL HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody (Catalog: SAA544Rb19)



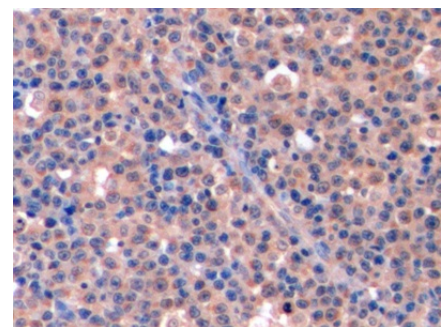
DAB staining on IHC-P; Samples: Human Endometrial cancer Tissue; Primary Ab: 10µg/ml Rabbit Anti-Human TYMS Antibody Second Ab: 2µg/mL HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody (Catalog: SAA544Rb19)



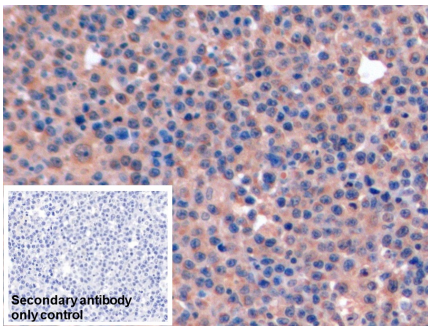
DAB staining on IHC-P; Samples: Human Liver Tissue; Primary Ab: 10µg/ml Rabbit Anti-Human TYMS Antibody Second Ab: 2µg/mL HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody (Catalog: SAA544Rb19)



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



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



DAB staining on IHC-P;

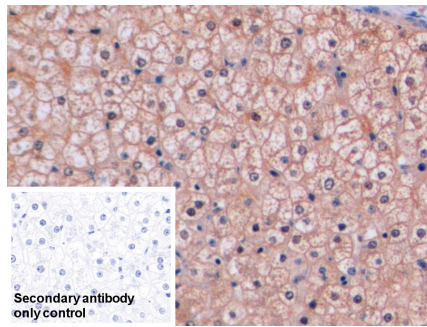
Sample: Human Lymphoma Tissue

Primary Ab: 10µg/ml Rabbit Anti-Human TYMS Antibody

Control: Used PBS instead of primary antibody

Second Ab: 2µg/ml HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody

(Catalog: SAA544Rb19)



DAB staining on IHC-P;

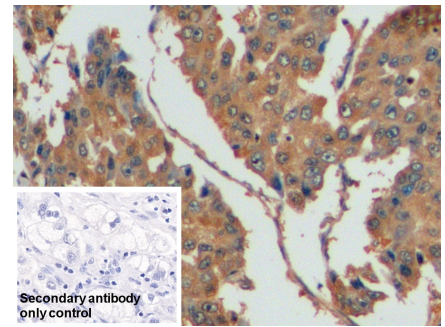
Sample: Human Liver Tissue

Primary Ab: 10µg/ml Rabbit Anti-Human TYMS Antibody

Control: Used PBS instead of primary antibody

Second Ab: 2µg/ml HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody

(Catalog: SAA544Rb19)



DAB staining on IHC-P;

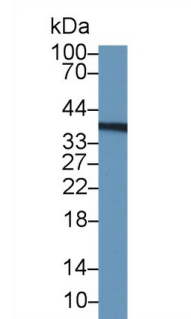
Sample: Human Liver cancer Tissue

Primary Ab: 10µg/ml Rabbit Anti-Human TYMS Antibody

Control: Used PBS instead of primary antibody

Second Ab: 2µg/ml HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody

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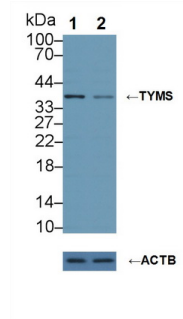


Western Blot; Sample: Human U2OS cell lysate;

Primary Ab: 1µg/ml Rabbit Anti-Human TYMS Antibody

Second Ab: 0.2µg/mL HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody

(Catalog: SAA544Rb19)



Knockout Verification:

Lane 1: Wild-type U2OS cell lysate;

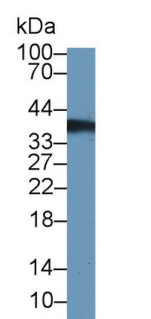
Lane 2: TYMS knockout U2OS cell lysate;

Predicted MW: 36,32,26kd

Observed MW: 38kd

Primary Ab: 1µg/ml Rabbit Anti-Human TYMS Antibody

Second Ab: 0.2µg/mL HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody



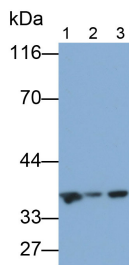
Western Blot; Sample: Rat Bone marrow lysate;

Primary Ab: 1µg/ml Rabbit Anti-Human TYMS Antibody

Second Ab: 0.2µg/mL HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody

(Catalog: SAA544Rb19)

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Western Blot; Samples: Lane1: U2OS

cell lysate; Lane2: 293T cell lysate;

Lane3: Jurkat cell lysate;

Primary Ab: 0.05µg/ml Rabbit Anti-
Human TYMS Antibody

Second Ab: 0.2µg/ml HRP-Linked
Caprine Anti-Rabbit IgG Polyclonal

Antibody

(Catalog: SAA544Rb19)

[**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.