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TYSY Antibody (C-term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AW5168

Specification

TYSY Antibody (C-term) - Product Information

Application	WB,E
Primary Accession	P04818
Reactivity	Human
Predicted	Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	H=36;M=35;Rat=35 KDa
Isotype	Rabbit Ig
Antigen Source	HUMAN

TYSY Antibody (C-term) - Additional Information

Gene ID 7298

Antigen Region
265-294

Other Names
TYMS; TS; Thymidylate synthase

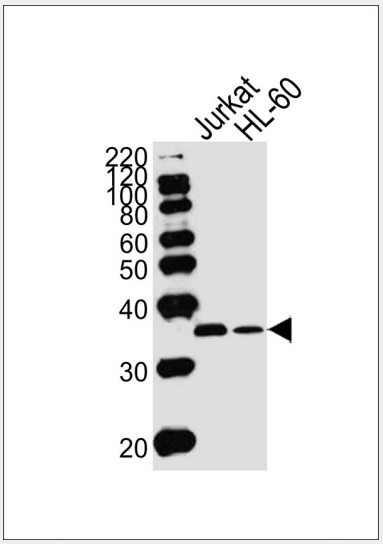
Dilution
WB~~1:1000

Target/Specificity
This TYSY antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 265-294 amino acids from the C-terminal region of human TYSY.

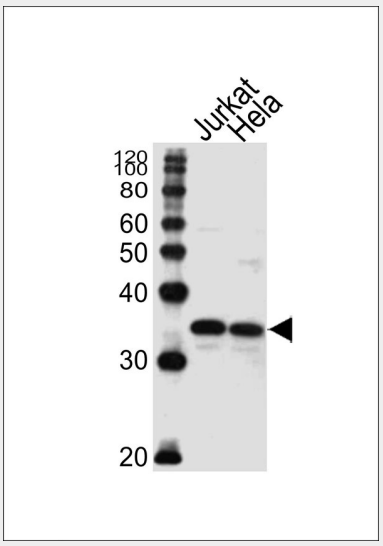
Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions



Western blot analysis of lysates from Jurkat, HL-60 cell line (from left to right), using TYSY Antibody (C-term)(Cat. #AW5168). AW5168 was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody.



Western blot analysis of lysates from Jurkat,Hela cell line (from left to right), using TYSY Antibody (C-term)(Cat. #AW5168). AW5168 was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:10000

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TYSY Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

TYSY Antibody (C-term) - Protein Information

Name TYMS

Synonyms TS

Function
Contributes to the de novo mitochondrial thymidylate biosynthesis pathway.

Cellular Location
Nucleus. Cytoplasm. Mitochondrion. Mitochondrion matrix. Mitochondrion inner membrane

TYSY Antibody (C-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

dilution was used as the secondary antibody.Lysates at 20ug per lane.

TYSY Antibody (C-term) - Background

Thymidylate synthase catalyzes the methylation of deoxyuridylate to deoxythymidylate using 5,10-methylenetetrahydrofolate (methylene-THF) as a cofactor. This function maintains the dTMP (thymidine-5-prime monophosphate) pool critical for DNA replication and repair. The enzyme has been of interest as a target for cancer chemotherapeutic agents. It is considered to be the primary site of action for 5-fluorouracil, 5-fluoro-2-prime-deoxyuridine, and some folate analogs.

TYSY Antibody (C-term) - References

Ren,D.N., J Surg Oncol (2009) Schiffer,C.A., Biochemistry 34 (50), 16279-16287 (1995)