

For Research Use Only

TYMS Recombinant monoclonal antibody

Catalog Number: 86643-1-RR



Basic Information

Catalog Number: 86643-1-RR	GenBank Accession Number: BC002567	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 7298	CloneNo.: 251532A1
Source: Rabbit	UNIPROT ID: P04818	Recommended Dilutions: WB: 1:5000-1:50000 IHC: 1:1000-1:4000 IF/ICC: 1:250-1:1000
Isotype: IgG	Full Name: thymidylate synthetase	
Immunogen Catalog Number: AG7027	Calculated MW: 36 kDa	
	Observed MW: 36 kDa	

Applications

Tested Applications:
WB, IHC, IF/ICC, ELISA

Species Specificity:
human

Note-IHC: suggested antigen retrieval with **TE buffer pH 9.0; (*)** Alternatively, antigen retrieval may be performed with **citrate buffer pH 6.0**

Positive Controls:

WB : HeLa cells, HEK-293 cells, HepG2 cells, MCF-7 cells

IHC : human rectal cancer tissue, human pancreas cancer tissue

IF/ICC : HepG2 cells,

Storage

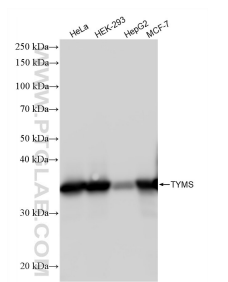
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

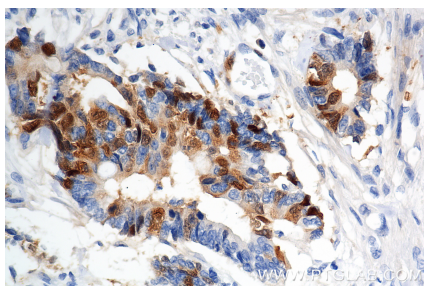
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

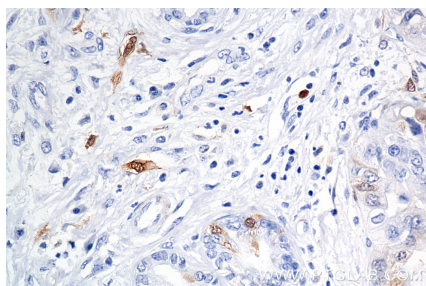
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 86643-1-RR (TYMS antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



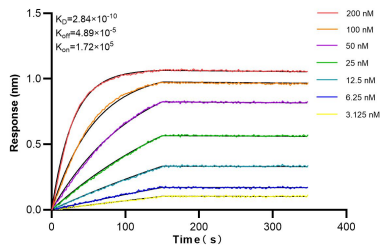
Immunohistochemical analysis of paraffin-embedded human rectal cancer tissue slide using 86643-1-RR (TYMS antibody) at dilution of 1:2000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human pancreas cancer tissue slide using 86643-1-RR (TYMS antibody) at dilution of 1:2000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using TYMS antibody (86643-1-RR, Clone: 251532A1) at dilution of 1:500 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red).



Biolayer interferometry (BLI) kinetic assays of 86643-1-RR against Human TYMS were performed. The affinity constant is 0.284 nM.