

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
Source: Rabbit	GeneID (NCBI): 7298	CloneNo.: 251532A1
Isotype: IgG	UNIPROT ID: P04818	Recommended Dilutions: WB: 1:5000-1:50000 IHC: 1:1000-1:4000 IF/ICC: 1:250-1:1000
Immunogen Catalog Number: AG7027	Full Name: thymidylate synthetase	
	Calculated MW: 36 kDa	
	Observed MW: 36 kDa	

Applications

Tested Applications: WB, IHC, IF/ICC, ELISA	Positive Controls:
Species Specificity: human	WB : HeLa cells, HEK-293 cells, HepG2 cells, MCF-7 cells
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	IHC : human rectal cancer tissue, human pancreas cancer tissue
	IF/ICC : HepG2 cells,

Background Information

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

For technical support and original validation data for this product please contact:

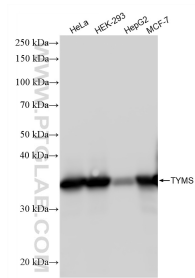
T: 4006900926

E: Proteintech-CN@ptglab.com

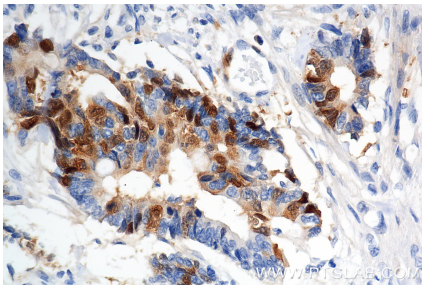
W: ptgcn.com

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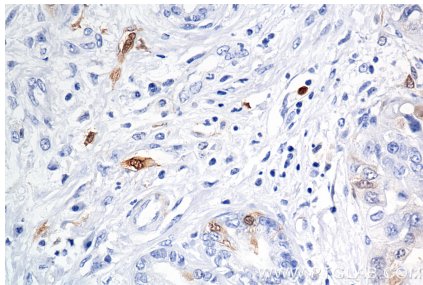
Selected Validation Data



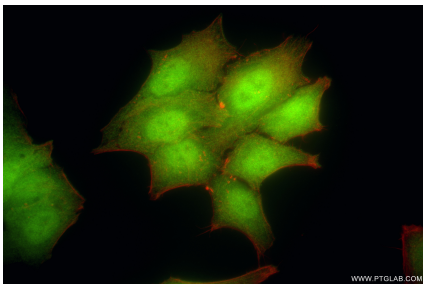
Various lysates were subjected to SDS PAGE followed by western blot with 86643-1-RR (TYMS antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



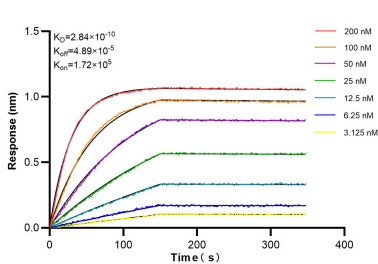
Immunohistochemical analysis of paraffin-embedded human rectal cancer tissue slide using 86643-1-RR (TYMS antibody) at dilution of 1:2000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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.