For Research Use Only

TYMS Monoclonal antibody

Catalog Number:66725-1-lg Featured Product 2 Publications

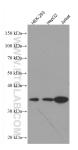


Basic Information	Catalog Number: 66725-1-lg	GenBank Accession Numbe BC002567	r: Purification Method: Protein A purification
	Size: 150ul , Concentration: 1000 ug/ml by Nanodrop; Source: Mouse Isotype: IgG1 Immunogen Catalog Number: AG7027	GenelD (NCBI):	CloneNo.:
			1F5B7
		UNIPROT ID: P04818 Full Name: thymidylate synthetase	Recommended Dilutions: WB 1:2000-1:10000
			IHC 1:200-1:800
			IF/ICC 1:200-1:800
		Calculated MW: 36 kDa	
		Observed MW:	
		36 kDa	
Applications	Tested Applications:	Positive Controls:	
	WB, IHC, IF/ICC, FC (Intra), ELISA	WB	: HEK-293 cells, HepG2 cells, Jurkat cells
	Cited Applications: WB		: human pancreas cancer tissue, human colon cer tissue
	Species Specificity: human	IF/10	CC : HeLa cells,
	Cited Species: human		
	Note-IHC: suggested antigen r		
	TE buffer pH 9.0; (*) Alternativ retrieval may be performed w buffer pH 6.0		
Background Information	retrieval may be performed w buffer pH 6.0 Thymidylate synthase gene (TYMS) e tumor cells. TS can catalyze the trans required for DNA replication and repa important target enzymes of 5-FU and with the efficacy of chemotherapy an	ith citrate ncodes thymidylate synthas formation of intracellular uri iring. TS is a key enzyme in d other chemotherapy drugs. d the prognosis of patients w	dine monophosphate (dump) into dTMP which i the process of cell proliferation, also is the
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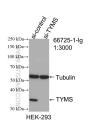
For technical support and original validation data for this product please contact: T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free E: proteintech@ptglab.com in USA), or 1(312) 455-8498 (outside USA) W: ptglab.com

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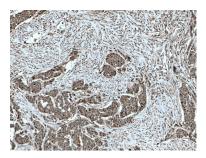
Selected Validation Data



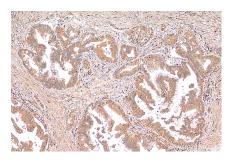
Various lysates were subjected to SDS PAGE followed by western blot with 66725-1-ig (TYMS antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



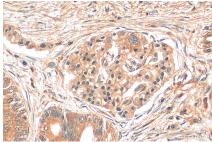
WB result of TYMS antibody (66725-1-lg; 1:3000; incubated at room temperature for 1.5 hours) with sh-Control and sh-TYMS transfected HEK-293 cells.



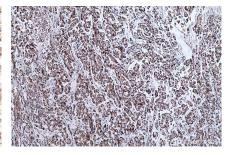
Immunohistochemical analysis of paraffinembedded human colon cancer tissue slide using 66725-1-1g (TYMS antibody) at dilution of 1:500 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffinembedded human pancreas cancer tissue slide using 66725-1-1g (TYMS antibody) at dilution of 1:400 (under 10x lens). Proteolytic pre-treatment mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



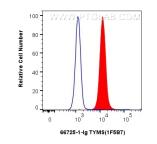
Immunohistochemical analysis of paraffinembedded human pancreas cancer tissue slide using 66725-1-1g (TYMS antibody) at dilution of 1:400 (under 40x lens). Proteolytic pre-treatment mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffinembedded human colon cancer tissue slide using 66725-1-1g (TYMS antibody) at dilution of 1:2000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using TYMS antibody (66725-1-1g, Clone: 1F5B7) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



1x10^6 HepG2 cells were intracellularly stained with 0.25 ug TYMS Monoclonal antibody (66725-1-Ig, Clone:1F5B7) and CoraLite®488-Conjugated Goat Anti-Mouse IgG(H+L) (SA00013-1)(red), or 0.25 ug Mouse IgG1 isotype control Mouse McAb (66360-1-Ig, Clone: 1F8D3) (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).