

For Research Use Only

HRP-conjugated TYMS Monoclonal antibody

Catalog Number:HRP-66725



Basic Information

Catalog Number: HRP-66725	GenBank Accession Number: BC002567	Purification Method: Protein G purification
Size: 100ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 7298	CloneNo.: 1F5B7
Source: Mouse	UNIPROT ID: P04818	Recommended Dilutions: WB 1:5000-1:20000
Isotype: IgG1	Full Name: thymidylate synthetase	
Immunogen Catalog Number: AG7027	Calculated MW: 36 kDa	
	Observed MW: 36 kDa	

Applications

Tested Applications: WB	Positive Controls: WB : Jurkat cells,
Species Specificity: Human	

Background Information

Thymidylate synthase gene (TYMS) encodes thymidylate synthase (TS) which is an important factor in the growth of tumor cells. TS can catalyze the transformation of intracellular uridine monophosphate (UMP) into dTMP which is required for DNA replication and repairing. TS is a key enzyme in the process of cell proliferation, also is the important target enzymes of 5-FU and other chemotherapy drugs. The expression of TYMS is negatively correlated with the efficacy of chemotherapy and the prognosis of patients who suffer from rectal cancer, breast cancer, colorectal cancer, gastric cancer, head and neck cancer, esophageal cancer, pancreatic cancer and so on.

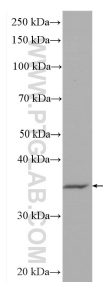
Storage

Storage:
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.
Aliquoting is unnecessary for -20°C storage

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)
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Selected Validation Data



Jurkat cells were subjected to SDS PAGE followed by western blot with HRP-66725 (TYMS antibody) at dilution of 1:0 incubated at room temperature for 1.5 hours.