Nur für Forschungszwecke

TYMS Monoklonaler Antikörper

Katalog-Nr.:66725-1-Ig Vorgestelltes Produkt 1 Publikationen

proteintech®
Antibodies | ELISA kits | Proteins
www.ptglab.com

Allgemeine Informationen

Katalog-Nr.:
66725-1-Ig

Größe:
150ul , Konzentration: 964 μg/ml von Nanodrop und 1000 μg/ml durch die Bradford-Methode mit BSA als Standard;

Wirt:
Maus

Isotyp:
IgG1

Immunogen Katalognummer:
AG7027

GenBank-Zugangsnummer:
BC002567

GeneID (NCBI):
7298

Vollständiger Name:
thymidylate synthetase

Berechneté Masse:
36 kDa

Beobachteté Masse:
36 kDa

Reinigungsmethode:
Protein-A-Reinigung

CloneNo.:
1F5B7

Empfohlene Verdünnungen:
WB 1:2000-1:10000
IHC 1:200-1:800
IF 1:200-1:800

Anwendungen

Geprüfte Anwendungen:
FC, IF, IHC, WB, ELISA

In Publikationen genannte Anwendungen:
WB

Getestete Reaktivität:
Human

Zitierte Arten:
Human

Hinweis-IHC: Antigendemaskierung mit TE-Puffer pH 9,0 empfohlen. (*) Wahlweise kann die Antigendemaskierung auch mit Citratpuffer pH 6,0 erfolgen.

Positivkontrollen:

WB : HEK-293-Zellen, HepG2-Zellen, Jurkat-Zellen

IHC : humanes Pankreaskarzinomgewebe, humanes Kolonkarzinomgewebe

IF : HeLa-Zellen,

Hintergrundinformationen

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 (dump) 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.

Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Ran Zhang	31002510	J Med Chem	WB

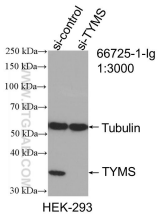
Lagerung

Lagerungsbedingungen:
Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil
Lagerungspuffer:
PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.
Aliquotieren ist nicht notwendig bei -20°C lagerung

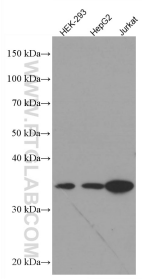
*** 20ul-Größen enthalten 0.1% BSA

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

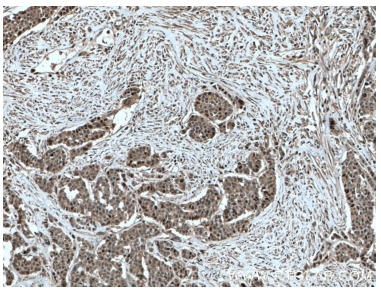
Ausgewählte Validierungsdaten



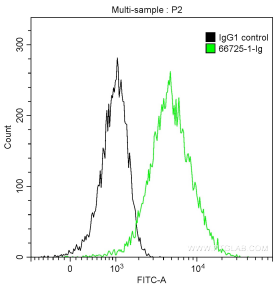
WB result of TYMS antibody (66725-1-Ig; 1:3000; incubated at room temperature for 1.5 hours) with sh-Control and sh-TYMS transfected HEK-293 cells.



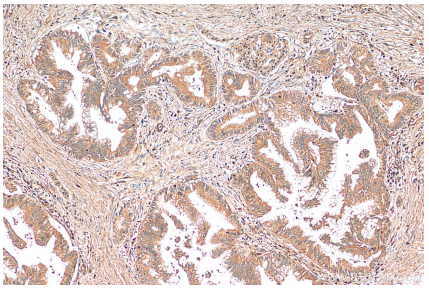
Various lysates were subjected to SDS PAGE followed by western blot with 66725-1-Ig (TYMS antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



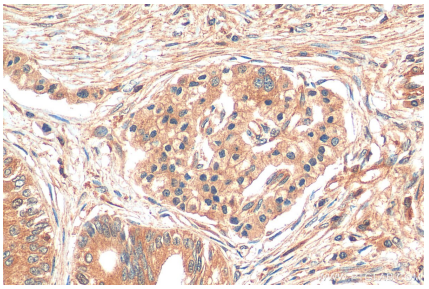
Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 66725-1-Ig (TYMS antibody) at dilution of 1:500 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



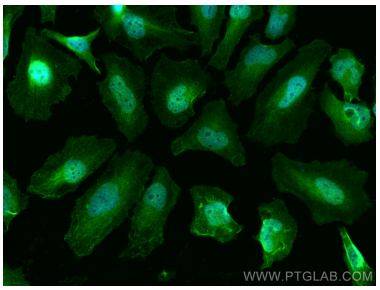
1X10^6 HepG2 cells were intracellularly stained with 0.2 ug Anti-Human TYMS (66725-1-Ig, Clone:1F5B7) and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) at dilution 1:1000 (green), and 0.2 ug Mouse IgG1 Isotype Control (66360-1-Ig, Clone: T1F8D3F10) (black). Cells were fixed with 4% PFA and permeabilized with 0.1% TritonX-100.



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



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