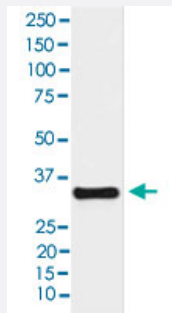


TYMS monoclonal antibody, clone ADAA-20

Catalog # MAB22252 Size 100 uL

Applications



Western Blot (Cell lysate)

Western blot analysis of HeLa cell lysate.

Specification

Product Description	Rabbit monoclonal antibody raised against synthetic peptide of human TYMS.
Immunogen	A synthetic peptide corresponding to human TYMS.
Host	Rabbit
Reactivity	Human
Specificity	The antibody reacts with human TYMS, in native form and recombinant. Superfamily members of TYMS are not reactive to this antibody.
Form	Liquid
Purification	Affinity purification
Isotype	IgG

Recommend Usage

Flow Cytometry (1:50)
Immunocytochemistry (1:50-1:200)
Immunofluorescence (1:50-1:200)
Immunohistochemistry (1:50-1:200)
Immunoprecipitation (1:50)
Western Blot (1:500-1:2000)
The optimal working dilution should be determined by the end user.

Storage Buffer

In PBS, 150 mM NaCl, pH 7.4 (50% glycerol, 0.02% sodium azide).

Storage Instruction

Store at 4°C for short term storage. For long term storage store at -20°C.
Aliquot to avoid repeated freezing and thawing.

Note

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

Western blot analysis of HeLa cell lysate.

- Immunohistochemistry

- Immunocytochemistry

- Immunofluorescence

- Immunoprecipitation

- Flow Cytometry

Gene Info — TYMS

Entrez GeneID

[7298](#)

Protein Accession#

[P04818](#)

Gene Name

TYMS

Gene Alias

HsT422, MGC88736, TMS, TS, TSase

Gene Description

thymidylate synthetase

Omim ID	188350
Gene Ontology	Hyperlink
Gene Summary	Thymidylate synthase catalyzes the methylation of deoxyuridylate to deoxythymidylate using 5,10-methylenetetrahydrofolate (methylene-THF) as a cofactor. This function maintains the dTMP (thymidine-5-prime monophosphate) pool critical for DNA replication and repair. The enzyme has been of interest as a target for cancer chemotherapeutic agents. It is considered to be the primary site of action for 5-fluorouracil, 5-fluoro-2-prime-deoxyuridine, and some folate analogs. Expression of this gene and that of a naturally occurring antisense transcript rTSalpha (GeneID:55556) vary inversely when cell-growth progresses from late-log to plateau phase. [provided by RefSeq]
Other Designations	Thymidylate synthase

Pathway

- [Metabolic pathways](#)
- [One carbon pool by folate](#)
- [Pyrimidine metabolism](#)

Disease

- [Abortion](#)
- [Acute Disease](#)
- [Adenocarcinoma](#)
- [Adenoma](#)
- [Adenomatous Polyps](#)
- [Aortic Aneurysm](#)
- [Arthritis](#)
- [Atherosclerosis](#)
- [Barrett Esophagus](#)
- [Behcet Syndrome](#)
- [Bile Duct Neoplasms](#)
- [Bone Neoplasms](#)

- [Brain Ischemia](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Carcinoma](#)
- [Cardiovascular Diseases](#)
- [Central Nervous System Neoplasms](#)
- [Cholangiocarcinoma](#)
- [Cleft Lip](#)
- [Cleft Palate](#)
- [Colon cancer](#)
- [Colonic Neoplasms](#)
- [Colorectal Neoplasms](#)
- [Coronary Artery Disease](#)
- [Dementia](#)
- [Diabetes Mellitus](#)
- [Diarrhea](#)
- [Disease Progression](#)
- [DNA Damage](#)
- [Down Syndrome](#)
- [Drug Toxicity](#)
- [Edema](#)
- [Endometrial Neoplasms](#)
- [Esophageal Neoplasms](#)
- [Fatigue](#)
- [Folic Acid Deficiency](#)

- [Gastrointestinal Diseases](#)
- [Gastrointestinal Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Graft vs Host Disease](#)
- [Head and Neck Neoplasms](#)
- [Heart Defects](#)
- [Helicobacter Infections](#)
- [Hematologic Diseases](#)
- [Hyperhomocysteinemia](#)
- [Hyperplasia](#)
- [Hyperuricemia](#)
- [Joint Diseases](#)
- [Kidney Diseases](#)
- [Kidney Failure](#)
- [Laryngeal Neoplasms](#)
- [Leukemia](#)
- [Leukopenia](#)
- [Liver Neoplasms](#)
- [Lung Neoplasms](#)
- [Lupus Erythematosus](#)
- [Lymphatic Metastasis](#)
- [Lymphoma](#)
- [Metaplasia](#)
- [Micronuclei](#)
- [Microsatellite Instability](#)
- [Migraine Disorders](#)

- [Migraine with Aura](#)
- [Mouth Neoplasms](#)
- [Mucositis](#)
- [Multiple Myeloma](#)
- [Myelodysplastic Syndromes](#)
- [Neoplasm Invasiveness](#)
- [Neoplasm Metastasis](#)
- [Neoplasm Recurrence](#)
- [Neoplasms](#)
- [Neoplastic Processes](#)
- [Neural Tube Defects](#)
- [Neurotoxicity Syndromes](#)
- [Neutropenia](#)
- [Osteonecrosis](#)
- [Osteosarcoma](#)
- [Ovarian Neoplasms](#)
- [Pancreatic cancer](#)
- [Pancreatic Neoplasms](#)
- [Pharyngeal Neoplasms](#)
- [Prostate cancer](#)
- [Prostatic Neoplasms](#)
- [Psoriasis](#)
- [Pulmonary Disease](#)
- [Rectal Neoplasms](#)
- [Recurrence](#)
- [Retinal Neoplasms](#)

- [Retinoblastoma](#)
- [Spinal Dysraphism](#)
- [Stomach Neoplasms](#)
- [Stroke](#)
- [Urinary Bladder Neoplasms](#)
- [Venous Thrombosis](#)
- [Vitamin B 12 Deficiency](#)
- [Vomiting](#)
- [Werner syndrome](#)