

Datasheet for ABIN452662
anti-TYMS antibody (N-Term)[Go to Product page](#)

4 Images

Overview

Quantity:	0.1 mL
Target:	TYMS
Binding Specificity:	AA 1-313, N-Term
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This TYMS antibody is un-conjugated
Application:	Immunofluorescence (IF), Western Blotting (WB), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	Recombinant TYMS (1-313 aa) purified from E. coli
Clone:	AT1S5
Isotype:	IgG2b
Specificity:	The antibody recognizes human TYMS. Other species not tested.
Characteristics:	Synonyms: TYMS, TSase, OK/SW-cl.29
Purification:	Protein-G affinity chromatography

Target Details

Target:	TYMS
Alternative Name:	Thymidylate Synthase (TS) (TYMS Products)

Target Details

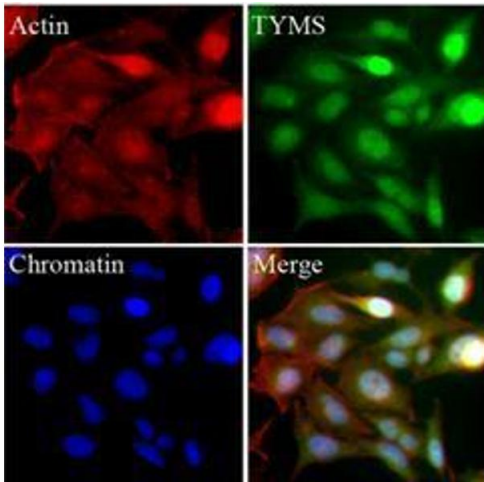
Target Type:	Viral Protein
Background:	<p>The methylation of deoxyuridine monophosphate (dUMP) to deoxythymidine monophosphate (dTMP) is an essential step for the formation of thymine nucleotides. This process is catalyzed by thymidylate synthase (TS or TYMS). TYMS is an intracellular enzyme that provides the sole de novo source of thymidylate in activity highest proliferating cells. Being the exclusive source of dTMP, TS is also an important target for anticancer agents such as 5-fluorouracil (5-FU). 5-FU acts as a TS inhibitor and is active against solid tumors such as colon, breast, head and neck. TS expression may be useful in predicting overall patient survival, but the prognostic value of TS expression continues to be a subject of investigation for different types of cancers. Synonyms: OK/SW-cl.29, TSase, TYMS</p>
Gene ID:	54583
UniProt:	P04818
Pathways:	Mitotic G1-G1/S Phases

Application Details

Application Notes:	<p>ELISA. Western blot (1: 500 - 1: 1,000). Immunofluorescence (1: 500 - 1: 1,000).</p> <p>Other applications not tested.</p> <p>Optimal dilutions are dependent on conditions and should be determined by the user.</p>
Restrictions:	For Research Use only

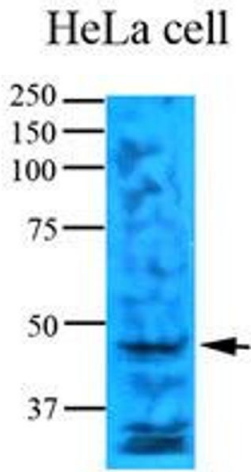
Handling

Format:	Liquid
Concentration:	1.0 mg/mL
Buffer:	PBS, pH 7.4, containing 0.09 % sodium azide
Preservative:	Sodium azide
Precaution of Use:	<p>This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.</p>
Storage:	4 °C/-20 °C
Storage Comment:	<p>Store the antibody undiluted at 2-8 °C for up to two weeks or (in aliquots) at -20 °C or -70 °C for longer. Avoid repeated freezing and thawing.</p> <p>Shelf life: one year from despatch.</p>



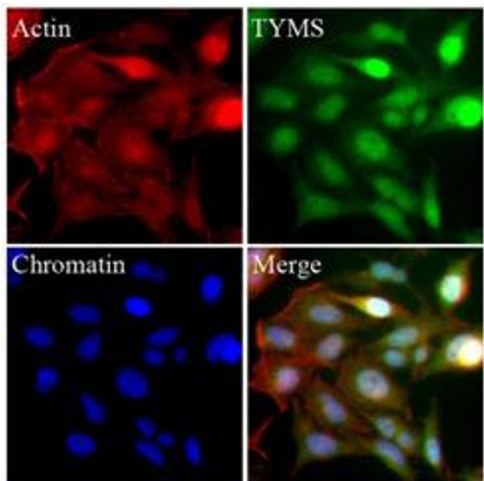
Immunofluorescence

Image 1.



Western Blotting

Image 2.



Immunofluorescence

Image 3.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN452662.