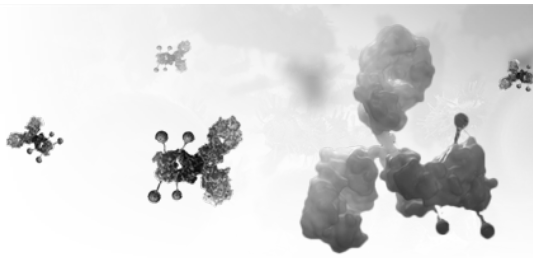

Rabbit Anti-Human TERT monoclonal antibody, clone KG1697 (CABT-L867)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Target	Telomerase reverse transcriptase
Immunogen	Recombinant protein
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Clone	KG1697
Purification	Protein A purified.
Conjugate	Unconjugated
Applications	WB, FC
Molecular Weight	127/120/90/89 kDa
Cellular Localization	Nucleus, Chromosome, Cytoplasm.
Positive Control	Hela.
Format	Liquid
Size	100 µl
Buffer	1×TBS (pH7.4), 1% BSA, 40% Glycerol.
Preservative	0.05% Sodium Azide

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221

Storage	Store at +4°C after thawing. Aliquot store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

BACKGROUND

Introduction	Telomerase is an RNA-dependent DNA polymerase that catalyzes the addition of telomeric repeat sequences to chromosome ends. In most human somatic cells, telomerase activity is undetectable, and telomeres shorten with successive cell divisions. However, telomerase activity is detectable in immortal cells and in many human tumors. Two candidate mammalian telomerase proteins have been cloned. Human TP1 (for telomerase-associated protein 1), also designated TLP1 in rat (for telomerase protein component 1), is homologous to the Tetrahymena p80 telomerase protein and has been shown to interact with mammalian telomerase RNA. Human TERT (for telomerase reverse transcriptase), also designated hEST2 (for ever shorter telomeres), is homologous to the p123 telomerase protein from Euplotes and to the yeast Est2 protein. Expression of TERT mRNA has been shown to correlate with telomerase activity in various cell lines.
Keywords	CMM9;DKCA2;DKCB4;EST2;HEST2;htert;hTRT;PFBMFT1;TCS1;Telomerase associated protein 2;Telomerase catalytic subunit;Telomerase reverse transcriptase;Telomerase-associated protein 2;Telomere Reverse Transcriptase;TERT;TERT_HUMAN;TP2;TRT antibody

GENE INFORMATION

Entrez Gene ID	7015
UniProt ID	O14746

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