



Human Topoisomerase [His] (DAG612)

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

PRODUCT INFORMATION

Species	Human
Purity	>80% as determined by SDS-PAGE
Conjugate	His
Applications	WB, ELISA
Molecular Weight	69 kDa
Format	Liquid
Concentration	Batch dependent - please inquire should you have specific requirements
Size	50 µg
Buffer	Neutral to slightly alkaline pH and 20 % glycerol as cryoprotective agent.
Preservative	None
Storage	2-8°C short term, -20°C long term

BACKGROUND

Introduction

Type I topoisomerases cut one strand of double-stranded DNA, relax the strand, and reanneal the strands. They are further subdivided into two structurally and mechanistically distinct topoisomerases: type IA and type IB. Type IA topoisomerases change the linking number of a circular DNA strand by units of strictly 1. Type IB topoisomerases change the linking number by multiples of 1 (n). Historically, type IA topoisomerases are referred to as prokaryotic topoisomerase I, while type IB topoisomerases are referred to as eukaryotic topoisomerase. This distinction, however, no longer applies as type IA and type IB topoisomerases exist in all domains of life.

Keywords

TOP1; Topoisomerase (DNA) I; Scl-70 Antigen; TOP1 Antigen; Topoisomerase (DNA) I Antigen
