

TOP2A (Phospho-Thr1343) Conjugated Antibody

Catalog No: #C11763

Package Size: #C11763-AF350 100ul #C11763-AF405 100ul #C11763-AF488 100ul

#C11763-AF555 100ul #C11763-AF594 100ul #C11763-AF647 100ul

#C11763-AF680 100ul #C11763-AF750 100ul #C11763-Biotin 100ul

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Description

Product Name	TOP2A (Phospho-Thr1343) Conjugated Antibody
Host Species	Rabbit
Clonality	Polyclonal
Species Reactivity	Hu
Specificity	The antibody detects endogenous levels of TOP2A only when phosphorylated at threonine 1343.
Immunogen Description	Peptide sequence around phosphorylation site of threonine1343(E-K-T(p)-D-D) derived from Human TOP2A.
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	TP2A;TOP2;TOP2A; P11388-1
Accession No.	Swiss-Prot#:P11388NCBI Gene ID:7153NCBI mRNA#:NM_001067.3. NCBI Protein#:NP_001058.2.
Uniprot	P11388
GeneID	7153;
Excitation Emission	AF350: 346nm/442nm AF405: 401nm/421nm AF488: 493nm/519nm AF555: 555nm/565nm AF594: 591nm/614nm AF647: 651nm/667nm AF680: 679nm/702nm AF750: 749nm/775nm
Calculated MW	190
Formulation	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Storage	Store at 4°C in dark for 6 months

Application Details

Suggested Dilution:

AF350 conjugated: most applications: 1: 50 - 1: 250

AF405 conjugated: most applications: 1: 50 - 1: 250

AF488 conjugated: most applications: 1: 50 - 1: 250

AF555 conjugated: most applications: 1: 50 - 1: 250

AF594 conjugated: most applications: 1: 50 - 1: 250

AF647 conjugated: most applications: 1: 50 - 1: 250

AF680 conjugated: most applications: 1: 50 - 1: 250

AF750 conjugated: most applications: 1: 50 - 1: 250

Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1: 50 - 1: 1,000

Product Description

Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatography using non-phosphopeptide.

Background

This gene encodes a DNA topoisomerase, an enzyme that controls and alters the topologic states of DNA during transcription. This nuclear enzyme is involved in processes such as chromosome condensation, chromatid separation, and the relief of torsional stress that occurs during DNA transcription and replication. It catalyzes the transient breaking and rejoining of two strands of duplex DNA which allows the strands to pass through one another, thus altering the topology of DNA. Two forms of this enzyme exist as likely products of a gene duplication event.

Note: This product is for in vitro research use only