

Rabbit TOP2A Polyclonal Antibody | anti-TOP2A antibody

TOP2A antibody - C-terminal region

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA201686	Rabbit	Dog, Guinea Pig, Horse, Human, Mouse, Pig, Rabbit, Rat	Western Blot

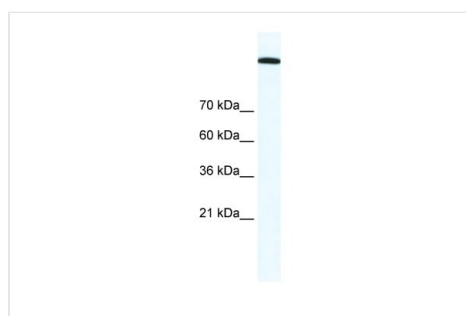
PRODUCT SYNONYMS

TOP2A; Polyclonal Antibody; TOP2A antibody - C-terminal region; anti-TOP2A antibody

PRODUCT SPECIFICATIONS

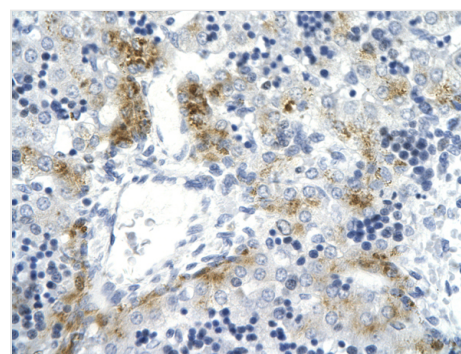
Host	Rabbit
Reactivity	Dog, Guinea Pig, Horse, Human, Mouse, Pig, Rabbit, Rat
Clonality	Polyclonal
Purity/Purification	Protein A purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Sequence	Synthetic peptide with the following region: VS KAVTSKSKG ESDDFHMDFD SAVAPRAKSV RAKKPIKYLE ESDDDL
Sequence Length	1531
Applicable Applications for anti-TOP2A antibody	WB (Western Blot)
Homology	Dog: 100%; Guinea Pig: 93%; Horse: 100%; Human: 100%; Mouse: 87%; Pig: 100%; Rabbit: 100%; Rat: 93%
Immunogen	The immunogen is a synthetic peptide directed towards the C terminal region of human TOP2A
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



WB (Western Blot)

WB Suggested Anti-TOP2A Antibody Titration: 1.25ug/ml
 ELISA Titer: 1:62500
 Positive Control: HepG2 cell lysate
 TOP2A is supported by BioGPS gene expression data to be expressed in HepG2



IHC (Immunohistochemistry)

Rabbit Anti-TOP2A antibody
 Paraffin Embedded Tissue: Human Liver cell
 Cellular Data: hepatocyte of renal tubule
 Antibody Concentration: 4.0-8.0 ug/ml
 Magnification: 400X

ADDITIONAL INFORMATION

Related Product Information for anti-TOP2A antibody	This is a rabbit polyclonal antibody against TOP2A. It was validated on Western Blot using a cell lysate as a positive control. Target Description: TOP2A is 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. The gene encoding this form, alpha, is localized to chromosome 17 and the beta gene is localized to chromosome 3. The gene encoding this enzyme functions as the target for several anticancer agents and a variety of mutations in this gene have been associated with the development of drug resistance. Reduced activity of this enzyme may also play a role in ataxia-telangiectasia.
Product Categories/Family for anti-TOP2A antibody	Polyclonal ; Transcription Regulation ; Chromatin & Nuclear Signaling ; Developmental Biology ; Disease Related ; DNA Repair ; Transcription Factors

NCBI AND UNIPROT INFORMATION

NCBI GI #	19913406
NCBI GeneID	7153
NCBI Accession #	NP_001058
NCBI GenBank Nucleotide #	NM_001067
UniProt Accession #	P11388
Molecular Weight	174kDa
NCBI Official Full Name	DNA topoisomerase 2-alpha
NCBI Official Synonym Full Names	DNA topoisomerase II alpha
NCBI Official Symbol	TOP2A
NCBI Official Synonym Symbols	TOP2; TP2A
NCBI Protein Information	DNA topoisomerase 2-alpha
UniProt Protein Name	DNA topoisomerase 2-alpha
UniProt Gene Name	TOP2A
UniProt Synonym Gene Names	TOP2
UniProt Entry Name	TOP2A_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.