

À des fins de recherche uniquement

Anticorps Polyclonal de lapin anti-TOPBP1



Numéro de catalogue: 23340-1-AP

1 Publications

Informations de base

Numéro de catalogue: 23340-1-AP	Numéro d'acquisition GenBank: BC126209	Méthode de purification: Purifié par affinité contre l'antigène
Taille: 150ul , Concentration: 1000 µg/ml by Nanodrop and 460 µg/ml by Bradford method using BSA as the standard;	Identification du gène (NCBI): 11073	Dilutions recommandées: WB 1:500-1:1000
Hôte: Lapin	Nom complet: topoisomerase (DNA) II binding protein 1	
Isotype: IgG	MW calculé: 1522 aa, 171 kDa	
Immunogen Catalog Number: AG18961	MW observés: 171 kDa	

Applications

Applications testées: WB, ELISA	Contrôles positifs: WB : cellules HeLa,
Demandes citées: IF	
Spécificité de l'espèce: Humain	
Espèces citées: souris	

Informations générales

Human DNA topoisomerase II binding protein 1 (TopBP1) contains eight BRCT motifs that are found in proteins regulating the DNA damage response, transcription, and replication (1). In addition, TopBP1 shares sequence similarity with the fission yeast Rad4/Cut5 protein and the budding yeast DPB11 protein, both of which are required for DNA damage control and/or replication checkpoint control (2,3). Phosphorylation of TopBP1 occurs in response to DNA double-strand breaks and replication blocks (2). TopBP1 forms nuclear foci and localizes to the sites of DNA damage or the arrested replication forks (2,3). Downregulation of TopBP1 leads to reduced cell survival, probably due to increased apoptosis (2). TopBP1 functions as a transcriptional coactivator by enhancing the human papillomavirus (HPV) transcription/replication factor E2 (1). In addition, the HECT-domain ubiquitin ligase, hHYD, cooperates with TopBP1 in DNA damage response (4). TopBP1 specifically interacts with the C-terminal region of topoisomerase II beta, which suggests a supportive role for TopBP1 in the catalytic reactions of topoisomerase II beta through transient breakages of DNA strands (5). The gene encoding TopBP1 maps to chromosome 3q22.2 (5).

Publications notables

Autrice	Pubmed ID	Journal	Application
Mengneng Xiong	35284939	Biol Reprod	IF

Stockage

Stockage:
Stocker à -20°C. Stable pendant un an après l'expédition.
Tampon de stockage:
PBS avec azoture de sodium à 0,02 % et glycérol à 50 % pH 7,3
L'aliquotage n'est pas nécessaire pour le stockage à -20C

*** Les 20ul contiennent 0,1% de BSA.

For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

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Données de validation sélectionnées



HeLa cells were subjected to SDS PAGE followed by western blot with 23340-1-AP (TOPBP1 Antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.