TDP1 rabbit monoclonal antibody

Catalog # H00055775-K Size 100 ug x up to 3

Specification

Product Description	Rabbit monoclonal antibody raised against a human TDP1 peptide using ARM Technology.
Immunogen	A synthetic peptide of human TDP1 is used for rabbit immunization. Customer or Abnova will decide on the preferred peptide sequence.
Host	Rabbit
Library Construction	Non-fusion antibody library from rabbit spleen (ARM Technology).
Expression	Overexpression vector and transfection into 293H cell line.
Reactivity	Human
Purification	Protein A
Isotype	IgG
Quality Control Testing	Antibody reactive against human TDP1 peptide by ELISA and mammalian transfected lysate by Western Blot.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Deliverable	Up to three rabbit IgG clones of 100 ug each will be delivered to customer.
Note	1. Customer may provide cell or tissue lysate for antibody screening. 2. Rabbit monoclonal antibody generated by ARM technology is amenable to antibody engineering including $F(ab)_2$, IgG, scFv and different Fc and non-Fc conjugates per customer request.

Applications

- Western Blot (Transfected lysate)

  Protocol Download

- ELISA

Gene Info — TDP1

Entrez GeneID	55775
GeneBank Accession#	TDP1
Gene Name	TDP1
Gene Alias	FLJ11090, MGC104252
Gene Description	tyrosyl-DNA phosphodiesterase 1
Omim ID	607198 607250
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is involved in repairing stalled topoisomerase I-DNA complexes by catalyzing the hydrolysis of the phosphodiester bond between the tyrosine residue of topoisomerase I and the 3-prime phosphate of DNA. This protein may also remove glycolate from single-stranded DNA containing 3-prime phosphoglycolate, suggesting a role in repair of free-radical mediated DNA double-strand breaks. This gene is a member of the phospholipase D family and contains two PLD phosphodiesterase domains. Mutations in this gene are associated with the disease spinocerebellar ataxia with axonal neuropathy (SCAN1). While several transcript variants may exist for this gene, the full-length natures of only two have been described to date. These two represent the major variants of this gene and encode the same isoform. [provided by RefSeq
Other Designations	-

Disease

- Breast cancer
- Colorectal Neoplasms
- Disease Progression
- Genetic Predisposition to Disease
- Meningeal Neoplasms
- Meningioma
- Neoplasms
- Neutropenia

- Werner syndrome