

Anti-TDG Polyclonal Antibody

Cat: K108892P

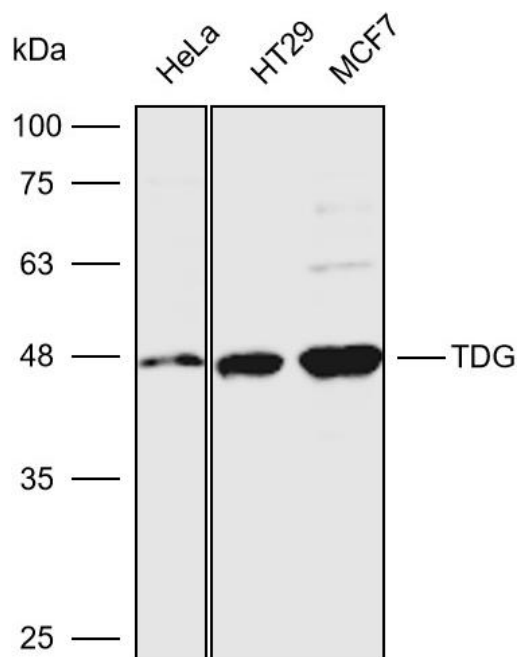
Summary:

【Product name】 : Anti-TDG antibody	【Source】 : Rabbit
【Isotype】 : IgG	【Species reactivity】 : Human Mouse
【Swiss Prot】 : Q13569	【Gene ID】 : 6996
【Calculated】 : MW:46kDa	【Observed】 : MW:46kDa
【Purification】 : Affinity purification	
【Tested applications】 : WB	
【Recommended dilution】 : WB 1:1000-3000.	
【WB Positive sample】 : HeLa,HT29,MCF7	
【Subcellular location】 : Nucleus	
【Immunogen】 : A synthetic peptide of Human TDG	
【Storage】 : Shipped at 4°C. Upon delivery aliquot and store at -20°C	

Background:

The protein encoded by this gene belongs to the TDG/mug DNA glycosylase family. Thymine-DNA glycosylase (TDG) removes thymine moieties from G/T mismatches by hydrolyzing the carbon-nitrogen bond between the sugar-phosphate backbone of DNA and the mispaired thymine. With lower activity, this enzyme also removes thymine from C/T and T/T mispairings. TDG can also remove uracil and 5-bromouracil from mispairings with guanine. This enzyme plays a central role in cellular defense against genetic mutation caused by the spontaneous deamination of 5-methylcytosine and cytosine. This gene may have a pseudogene in the p arm of chromosome 12.

Verified picture



Western blot analysis with TDG antibody diluted at 1:2000; Lane: HeLa, HT29, MCF7