BT LAB
Bioassay Technology Laboratory
Optimize Your Research

8ODP Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-AP08520
Host	Rabbit
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	Synthesized peptide derived from human protein . at AA range: 1-80
Mol wt	N/A
Species reactivity	Human, Rat, Mouse
Clonality	Polyclonal
Recommended application	WB, ELISA
Concentration	1 mg/ml
Full name	7|8-dihydro-8-oxoguanine triphosphatase
Synonyms	7; 8-dihydro-8-oxoguanine triphosphatase (EC 3.6.1.55;2-hydroxy-dATP diphosphatase;EC 3.6.1.56;8-oxo-dGTPase;Nucleoside diphosphate-linked moiety X motif 1;Nudix motif 1)

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

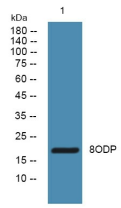
Misincorporation of oxidized nucleoside triphosphates into DNA/RNA during replication and transcription can cause mutations that may result in carcinogenesis or neurodegeneration. The protein encoded by this gene is an enzyme that hydrolyzes oxidized purine nucleoside triphosphates| such as 8-oxo-dGTP| 8-oxo-dATP| 2-hydroxy-dATP| and 2-hydroxy rATP| to monophosphates| thereby preventing misincorporation. The encoded protein is localized mainly in the cytoplasm| with some in the mitochondria| suggesting that it is involved in the sanitization of nucleotide pools both for nuclear and mitochondrial genomes. Several alternatively spliced transcript variants| some of which encode distinct isoforms| have been identified. Additional variants have been observed| but their full-length natures have not been determined. A single-nucleotide polymorphism that results in the production of an additional| longer is

Recommended Dilution

ELISA: 1: 20000

Not yet tested in other applications.

Images



Western blot analysis of lysates from A431 cells, primary antibody was diluted at 1:1000, 4°C overnight

Storage

-20°C for 1 year

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