

## Anti-OGG1 Antibody (3M76)

## Product Details

Ig Type:	IgG
Reactivity:	Human
Conjugation:	Unconjugated
Molecular Weight:	Theoretical: 39 kDa.
Clone:	3M76
Purification:	ProA affinity purified

## Applications

Application:	IHC,WB
Recommended	WB: 1:500; IHC: 1:50-200

## Properties

Stability & Storage:	Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

## Antigen Details

Immunogen:	Recombinant Protein
Uniprot ID:	O15527
Synonyms:	N-Glycosylase/DNA Lyase;OGG1;DNA-(Apurinic or Apyrimidinic Site) Lyase;AP Lyase;OGH1;MMH;MUTM;8-Oxoguanine DNA Glycosylase

## Research Background

DNA repair enzyme that incises DNA at 8-oxoG residues. Excises 7,8-dihydro-8-oxoguanine and 2,6-diamino-4-hydroxy-5-N-methylformamidopyrimidine (FAPY) from damaged DNA. Has a beta-lyase activity that nicks DNA 3' to the lesion. The OGG1 gene encodes 8 isoforms (OGG1A-C, OGG2A-E) which result from alternative splicing of a single messenger RNA. The OGG1A splice variant is the most prevalent form and localizes to the nucleus, whereas the OGG2A splice variant is targeted to the mitochondria.

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