



## Anti-EXO1 (aa 50-150) polyclonal antibody (DPABH-23368)

This product is for research use only and is not intended for diagnostic use.

### PRODUCT INFORMATION

<b>Antigen Description</b>	5->3 double-stranded DNA exonuclease which may also possess a cryptic 3->5 double-stranded DNA exonuclease activity. Functions in DNA mismatch repair (MMR) to excise mismatch-containing DNA tracts directed by strand breaks located either 5 or 3 to the mismatch. Also exhibits endonuclease activity against 5-overhanging flap structures similar to those generated by displacement synthesis when DNA polymerase encounters the 5-end of a downstream Okazaki fragment. Required for somatic hypermutation (SHM) and class switch recombination (CSR) of immunoglobulin genes. Essential for male and female meiosis.
<b>Immunogen</b>	Synthetic peptide conjugated to KLH derived from within residues 50 - 150 of Human Exonuclease 1.
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	Human
<b>Purification</b>	Immunogen affinity purified
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	ICC/IF, WB
<b>Format</b>	Liquid
<b>Size</b>	200 µl
<b>Buffer</b>	pH: 7.40; Constituent: PBS
<b>Preservative</b>	0.02% Sodium Azide

**Storage** Store at 4°C short term (1-2 weeks). Aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

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## GENE INFORMATION

<b>Gene Name</b>	<a href="#">EXO1 exonuclease 2 [ Homo sapiens ]</a>
<b>Official Symbol</b>	EXO1
<b>Synonyms</b>	EXO1; exonuclease 1; HEX1; hExol; hExo1; rad2 nuclease family member, homolog of <i>S. cerevisiae</i> exonuclease 1;
<b>Entrez Gene ID</b>	<a href="#">9156</a>
<b>Protein Refseq</b>	<a href="#">NP_003677.4</a>
<b>UniProt ID</b>	<a href="#">Q9UQ84</a>
<b>Pathway</b>	Mismatch repair; Mismatch repair;
<b>Function</b>	5'-3' exodeoxyribonuclease activity; 5'-3' exonuclease activity; DNA binding; RNA-DNA hybrid ribonuclease activity

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