



# 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

**Antigen Description** 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.

**Immunogen** Synthetic peptide conjugated to KLH derived from within residues 50 - 150 of Human Exonuclease 1.

**Isotype** IgG

**Source/Host** Rabbit

**Species Reactivity** Human

**Purification** Immunogen affinity purified

**Conjugate** Unconjugated

**Applications** ICC/IF, WB

**Format** Liquid

**Size** 200 µl

**Buffer** pH: 7.40; Constituent: PBS

**Preservative** 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; hExo1; hExo1; rad2 nuclease family member, homolog of S. cerevisiae 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