

Datasheet for ABIN567776
anti-POLD1 antibody



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1 Image

Overview

Quantity:	0.1 mg
Target:	POLD1
Reactivity:	Human, Rat, Mouse
Host:	Rat
Clonality:	Monoclonal
Conjugate:	This POLD1 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	Recombinant full length His-Human p125.
Clone:	5G1
Isotype:	IgG2a
Specificity:	This antibody reacts with DNA polymerase delta p125 catalytic subunit (125 kDa) by Western blotting.
Purification:	Protein-G Agarose Chromatography of hybridoma supernatant.

Target Details

Target:	POLD1
Alternative Name:	POLD1 (POLD1 Products)
Background:	In eukaryotic cells, 3 types of DNA polymerases (pol), pol alpha, pol delta and pol epsilon

Target Details

function in accurate and efficient DNA replication. Pol delta is a heteromultimeric enzyme composed of a 125 kDa major catalytic subunit and three smaller accessory subunits. Pol delta requires a number of accessory molecules to exert its full activity. Proliferating cell nuclear antigen (PCNA) forms a doughnut-shaped trimer with a 35 Å hole and works as the sliding clamp and replication factor C acts as the clamp loader to improve Pol delta processivity. Pol delta is also involved in nucleotide excision repair of DNA. Synonyms: DNA polymerase delta catalytic subunit, DNA polymerase subunit delta p125

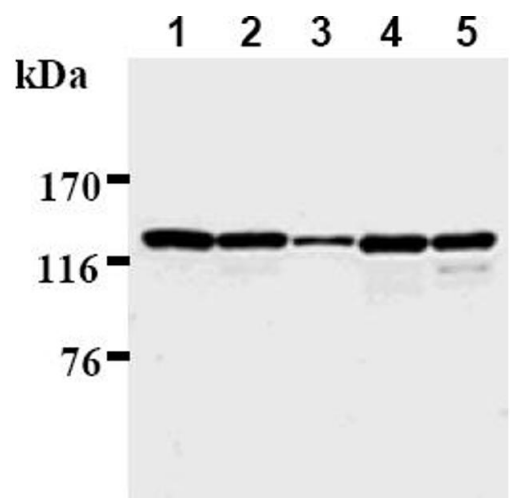
Gene ID:	5424
NCBI Accession:	NP_002682
UniProt:	P28340
Pathways:	Telomere Maintenance , DNA Damage Repair , DNA Replication , Chromatin Binding , Synthesis of DNA

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Concentration:	1.0 mg/mL
Buffer:	PBS, pH 7.2 containing 50 % Glycerol without preservatives.
Preservative:	Without preservative
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	-20 °C
Storage Comment:	Store the antibody (in aliquots) at -20 °C.



Western Blotting

Image 1.