



DNA pol δ 3 Monoclonal Antibody

Catalog No	YP-mAb-01658
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	POLD3
Protein Name	DNA polymerase delta subunit 3
Immunogen	The antiserum was produced against synthesized peptide derived from human POLD3. AA range:411-460
Specificity	DNA pol δ 3 Monoclonal Antibody detects endogenous levels of DNA pol δ 3 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	$\geq 90\%$
Storage Stability	-20°C/1 year
Synonyms	POLD3; KIAA0039; DNA polymerase delta subunit 3; DNA polymerase delta subunit p66
Observed Band	51kD
Cell Pathway	Cytoplasm . Nucleus . Partially colocalizes with PCNA and POLD1 at S phase replication sites (PubMed:11595739). Recruited to DNA damage sites within 2 hours following UV irradiation (PubMed:20227374, PubMed:22801543). .
Tissue Specificity	Bone marrow,Brain,Duodenum,Embryonic kidney,Epithelium,Lymp
Function	function:Required for optimal DNA polymerase delta activity.,subunit:Heterotetramer composed of subunits of 125 kDa, 50 kDa, 66 kDa and 12 kDa. Interacts with POLD2. Interacts with PCNA.,
Background	This gene encodes the 66-kDa subunit of DNA polymerase delta. DNA polymerase delta possesses both polymerase and 3' to 5' exonuclease activity and plays a critical role in DNA replication and repair. The encoded protein plays a role in regulating the activity of DNA polymerase delta through interactions with other subunits and the processivity cofactor proliferating cell nuclear antigen (PCNA). Alternatively spliced transcript variants have been observed for this gene. [provided by RefSeq, Mar 2012],



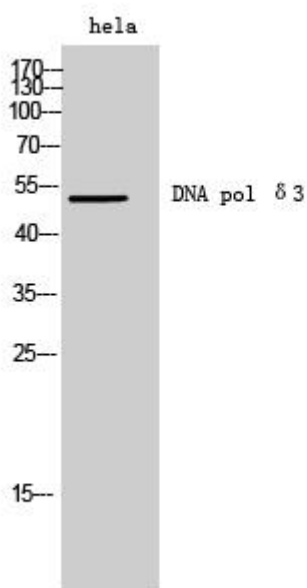
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis of various cells using DNA pol δ 3 Monoclonal Antibody