

KD-Validated Anti-POLDIP2 Rabbit Monoclonal Antibody

Rabbit monoclonal antibody

Catalog # AGI2261

Product Information

Application	WB
Primary Accession	Q9Y2S7
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Names	25GB4415
Calculated MW	42033
Gene Name	POLDIP2
Aliases	POLDIP2; DNA Polymerase Delta Interacting Protein 2; PDIP38; Polymerase (DNA-Directed), Delta Interacting Protein 2; 38 kDa DNA Polymerase Delta Interaction Protein; Polymerase Delta-Interacting Protein 2; DKFZP586F1524; POLD4; P38; Polymerase (DNA) Delta Interacting Protein 2; Polymerase Delta Interacting Protein 38
Immunogen	A synthesized peptide derived from human POLDIP2

Additional Information

Gene ID	26073
Other Names	Polymerase delta-interacting protein 2, 38 kDa DNA polymerase delta interaction protein, p38, POLDIP2 {ECO:0000303 PubMed:26984527, ECO:0000312 HGNC:HGNC:23781}

Protein Information

Name	POLDIP2 {ECO:0000303 PubMed:26984527, ECO:0000312 HGNC:HGNC:23781}
Function	Involved in DNA damage tolerance by regulating translesion synthesis (TLS) of templates carrying DNA damage lesions such as 8oxoG and abasic sites (PubMed: 24191025). May act by stimulating activity of DNA polymerases involved in TLS, such as PRIMPOL and polymerase delta (POLD1) (PubMed: 24191025 , PubMed: 26984527).
Cellular Location	Mitochondrion matrix. Nucleus Note=Mainly localizes to the mitochondrial matrix; a small fraction localizes in the nucleus.

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