

Product Name: KD-Validated POLDIP2 Recombinant Rabbit Monoclonal Antibody
Catalog #: KVA00330

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM,ICC
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Rabbit IgG
Clonality	Rabbit mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:1,000-1:5,000; FC 1:200-1:2,000; ICC 1:100-1:1,000
Molecular Weight	Calculated MW: 42.0kDa

Antigen Information

Gene Name	POLDIP2
Alternative Names	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
Gene ID	26073.0
SwissProt ID	Q9Y2S7
Immunogen	A synthesized peptide derived from human POLDIP2

Background

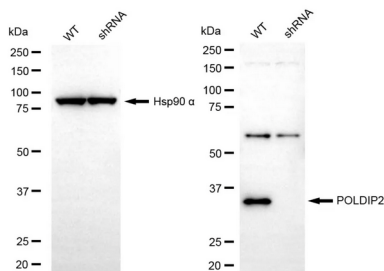
This gene encodes a protein that interacts with the DNA polymerase delta p50 subunit, as well as with proliferating cell nuclear

antigen. The encoded protein maybe play a role in the ability of the replication fork to bypass DNA lesions. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Feb 2014]

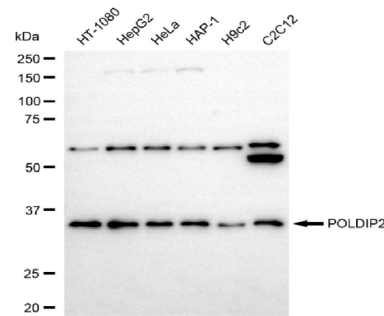
Research Area

Epigenetics and Nuclear Signaling

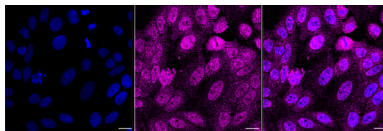
Image Data



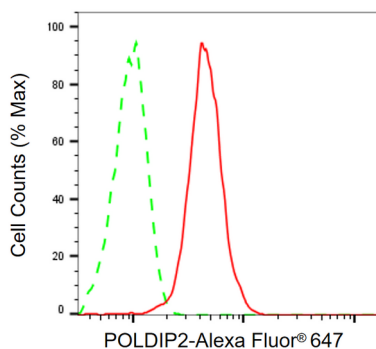
Western blotting analysis using POLDIP2 antibody (KVA00330). POLDIP2 expression in wild-type (WT) and POLDIP2 shRNA knockdown (KD) HeLa cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with POLDIP2 antibody (KVA00330, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using POLDIP2 antibody (KVA00330). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with POLDIP2 antibody (KVA00330, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of HepG2 cells with POLDIP2 antibody (KVA00330, 1:1,000). Nuclei were stained blue with DAPI; POLDIP2 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Low. Scale bar, 20 µm.



Flow cytometric analysis of POLDIP2 expression in HepG2 cells using POLDIP2 antibody (KVA00330, 1:2,000). Green, isotype control; red, POLDIP2.