

POLDIP3 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP20109a

Product Information

Application WB, IF, IHC-P, E

Primary Accession Q9BY77

Other Accession Q8BG81, NP_115687.2

Reactivity Human, Mouse

Predicted Mouse
Host Rabbit
Clonality Polyclonal
Isotype Rabbit IgG
Calculated MW 46089
Antigen Region 93-120

Additional Information

Gene ID 84271

Other Names Polymerase delta-interacting protein 3, 46 kDa DNA polymerase delta

interaction protein, p46, S6K1 Aly/REF-like target, SKAR, POLDIP3, KIAA1649,

PDIP46

Target/Specificity This POLDIP3 antibody is generated from rabbits immunized with a KLH

conjugated synthetic peptide between 93-120 amino acids from the

N-terminal region of human POLDIP3.

Dilution WB~~1:1000 IF~~1:25 IHC-P~~1:100~500 E~~Use at an assay dependent

concentration.

Format Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.

This antibody is purified through a protein A column, followed by peptide

affinity purification.

Storage Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store

at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions POLDIP3 Antibody (N-term) is for research use only and not for use in

diagnostic or therapeutic procedures.

Protein Information

Name POLDIP3

Synonyms KIAA1649, PDIP46

Function Is involved in regulation of translation. Is preferentially associated with

CBC-bound spliced mRNA-protein complexes during the pioneer round of mRNA translation. Contributes to enhanced translational efficiency of spliced over nonspliced mRNAs. Recruits activated ribosomal protein S6 kinase beta-1 I/RPS6KB1 to newly synthesized mRNA. Involved in nuclear mRNA export;

probably mediated by association with the TREX complex.

Cellular Location Nucleus. Nucleus speckle. Cytoplasm. Note=Nucleocytoplasmic shuttling

protein

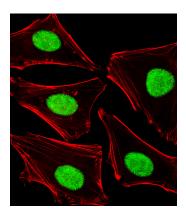
Background

This gene encodes a protein that interacts with the DNA polymerase delta p50 subunit. This protein is a specific target of S6 kinase 1 and regulates cell growth. Two transcript variants that encode different protein isoforms have been identified. [provided by RefSeq].

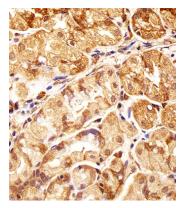
References

Ma, X.M., et al. Cell 133(2):303-313(2008) Matsuoka, S., et al. Science 316(5828):1160-1166(2007) Smyk, A., et al. FEBS J. 273(20):4728-4741(2006) Andersen, J.S., et al. Nature 433(7021):77-83(2005) Richardson, C.J., et al. Curr. Biol. 14(17):1540-1549(2004)

Images

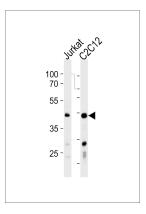


Fluorescent image of Hela cells stained with POLDIP3 Antibody (N-term)(Cat#AP20109a). AP20109a was diluted at 1:25 dilution. An Alexa Fluor 488-conjugated goat anti-rabbit IgG at 1:400 dilution was used as the secondary antibody (green). Cytoplasmic actin was counterstained with Alexa Fluor® 555 conjugated with Phalloidin (red).



Immunohistochemical analysis of paraffin-embedded H. stomach section using POLDIP3 Antibody (N-term)(Cat#AP20109a). AP20109a was diluted at 1:25 dilution. A undiluted biotinylated goat polyvalent antibody was used as the secondary, followed by DAB staining.

POLDIP3 Antibody (N-term) (Cat. #AP20109a) western blot analysis in Jurkat, mouse C2C12 cell line lysates (35ug/lane). This demonstrates the POLDIP3 Antibody antibody detected the POLDIP3 Antibody protein (arrow).



Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.