Product Name: PRIM1 Rabbit Polyclonal Antibody
Catalog #: APRab16494
For research use only.

Summary

Description	Rabbit polyclonal Antibody
Host	Rabbit
Application	WB,IHC,ICC/IF,ELISA
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:50-1:200,ELISA 1:5000-1:20000
Molecular Weight	50kDa

Antigen Information

Gene Name	PRIM1
Alternative Names	PRIM1; DNA primase small subunit; DNA primase 49 kDa subunit; p49
Gene ID	5557.0
SwissProt ID	P49642
Immunogen	The antiserum was produced against synthesized peptide derived from human PRIM1. AA range:371-420

Background

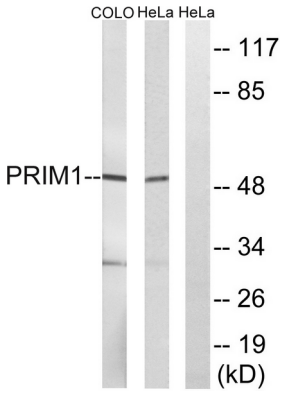
The replication of DNA in eukaryotic cells is carried out by a complex chromosomal replication apparatus, in which DNA

polymerase alpha and primase are two key enzymatic components. Primase, which is a heterodimer of a small subunit and a large subunit, synthesizes small RNA primers for the Okazaki fragments made during discontinuous DNA replication. The protein encoded by this gene is the small, 49 kDa primase subunit. [provided by RefSeq, Jul 2008],function:DNA primase is the polymerase that synthesizes small RNA primers for the Okazaki fragments made during discontinuous DNA replication.,miscellaneous:The bound zinc ion is not a cofactor. It is bound to a zinc knuckle motif that may be involved in sequence recognition and the binding of ssDNA.,similarity:Belongs to the eukaryotic-type primase small subunit family.,subunit:Heterodimer of a small subunit and a large subunit.,

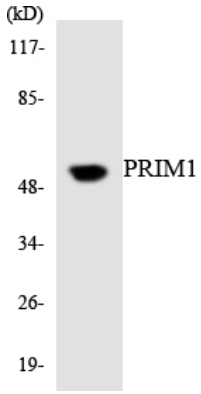
Research Area

Purine metabolism;Pyrimidine metabolism;DNA replication;

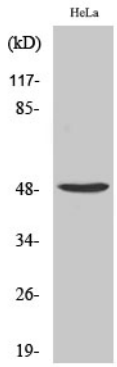
Image Data



Western blot analysis of lysates from COLO and HeLa cells, using PRIM1 Antibody. The lane on the right is blocked with the synthesized peptide.



Western blot analysis of the lysates from K562 cells using PRIM1 antibody.



Western Blot analysis of various cells using PRIM1 Polyclonal Antibody.