

Product datasheet for **AP21164PU-M**

PRIM1 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	Western blot: 1/500 - 1/1000. Immunohistochemistry on paraffin sections 1/50 - 1/200.
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Specificity:	This antibody detects endogenous levels of PRIM1 protein. (region surrounding Lys413)
Formulation:	Phosphate buffered saline (PBS), pH 7.2 State: Aff - Purified State: Liquid purified Ig fraction Preservative: 15 mM sodium azide
Concentration:	1.0 mg/ml
Purification:	Affinity chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE)
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	~ 50 kDa
Gene Name:	primase (DNA) subunit 1
Database Link:	<u>Entrez Gene 19075 Mouse</u> <u>Entrez Gene 246327 Rat</u> <u>Entrez Gene 5557 Human</u> <u>P49642</u>



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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. PRIM1 is the small, 49 kDa primase subunit. 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.

Synonyms:

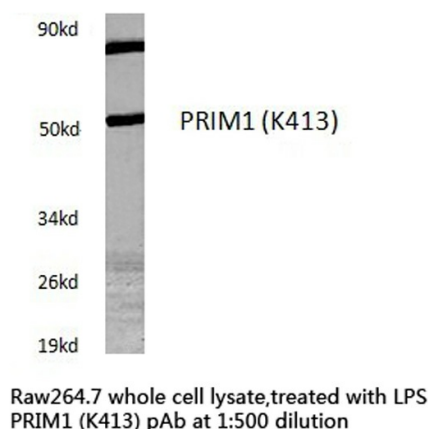
PRIM1, DNA primase 49 kDa subunit

Protein Families:

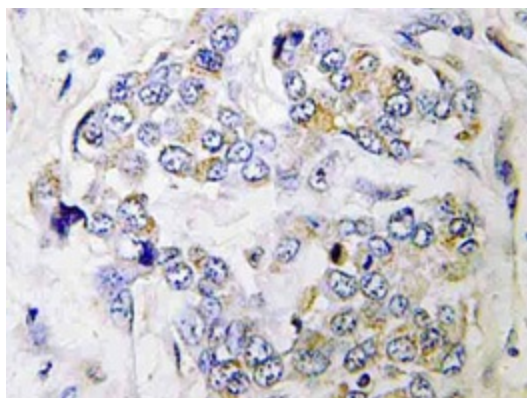
Druggable Genome

Protein Pathways:

DNA replication, Metabolic pathways, Purine metabolism, Pyrimidine metabolism

Product images:


Western blot (WB) analysis of PRIM1 antibody (Cat.-No.: [AP21164PU-N]) in extracts from Raw264.7 cells, treated with LPS.



Immunohistochemistry (IHC) analyzes of PRIM1 antibody (Cat.-No.: [AP21164PU-N]) in paraffin-embedded human breast carcinoma tissue.