

Immunotag™ PRIM1 Polyclonal Antibody

Antibody Specification	
Catalog No.	ITT3858
Product Description	Immunotag™ PRIM1 Polyclonal Antibody
Size	50 µg, 100 µg
Conjugation	HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647
IMPORTANT NOTE	This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return.
Target Protein	PRIM1
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	WB,IHC-p,ELISA
Recommended Dilution	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/10000. Not yet tested in other applications.
Concentration	1 mg/ml
Reactive Species	Human,Mouse,Rat
Host Species	Rabbit
Immunogen	The antiserum was produced against synthesized peptide derived from human PRIM1. AA range:371-420
Specificity	PRIM1 Polyclonal Antibody detects endogenous levels of PRIM1 protein.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen
Form	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Gene Name	PRIM1
Accession No.	P49642 P20664
Alternate Names	PRIM1; DNA primase small subunit; DNA primase 49 kDa subunit; p49

Antibody Specification

Description	primase (DNA) subunit 1 (PRIM1) Homo sapiens 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],
Cell Pathway/ Category	Purine metabolism,Pyrimidine metabolism,DNA replication,
Protein Expression	Bone marrow,Thymus,
Subcellular Localization	nucleoplasm,alpha DNA polymerase:primase complex,membrane,primosome complex,
Protein Function	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.,
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.