

Rabbit anti-Human POLA2 Polyclonal Antibody | anti-POLA2 antibody

POLA2 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA327954	Rabbit	Human	ELISA, Immunohistochemistry, Western Blot

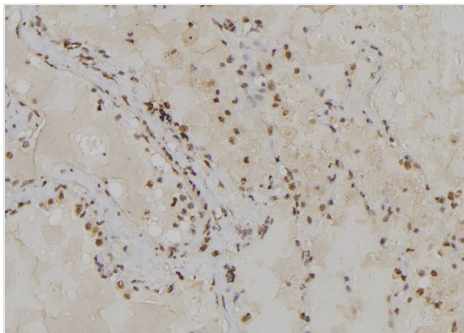
PRODUCT SYNONYMS

POLA2; Polyclonal Antibody; POLA2 Antibody; AI573378; DNA directed DNA polymerase alpha 2; DNA polymerase alpha 70 kDa subunit; DNA polymerase alpha subunit B; DNA polymerase alpha subunit II; DNA polymerase subunit alpha B; DNA polymerase subunit II; DPOA2_HUMAN; FLJ21662; FLJ37250; polA2; Polymerase (DNA directed) alpha 2 (70kD subunit); Polymerase (DNA directed); alpha (70kD); alpha 2 accessory subunit; anti-POLA2 antibody

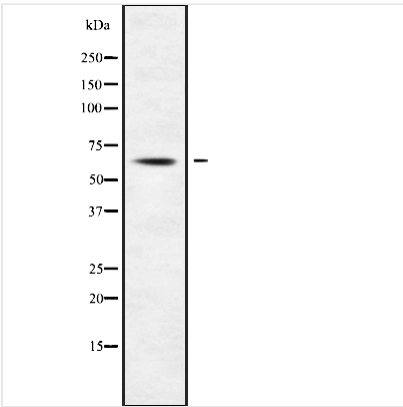
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Specificity	POLA2 antibody detects endogenous levels of total POLA2
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	598
Applicable Applications for anti-POLA2 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human POLA2
Subcellular Location	Nucleus.
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)
AAA327954 at 1/100 staining Human lung tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)
Western blot analysis of POLA2 using HuvEc whole cell lysates

ADDITIONAL INFORMATION

Related Product Information for anti-POLA2 antibody	Function: May play an essential role at the early stage of chromosomal DNA replication by coupling the polymerase alpha/primase complex to the cellular replication machinery. Subunit Structure: DNA polymerase alpha:primase is a four subunit enzyme complex, which is assembled throughout the cell cycle, and consists of the two DNA polymerase subunits A and B, and the DNA primase large and small subunits. Subunit B binds to subunit A. Post-translational Modifications: Phosphorylated in a cell cycle-dependent manner, in G2/M phase. Similarity: The N-terminal 240 amino acids are sufficient to mediate complex formation. Belongs to the DNA polymerase alpha subunit B family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	20127448
NCBI GeneID	23649
NCBI Accession #	NP_002680.2
NCBI GenBank Nucleotide #	NM_002689.3
UniProt Accession #	Q14181; Q9BPV3; B4DNB4
Molecular Weight	Observed: 66 kDa Predicted: 66 kDa
NCBI Official Full Name	DNA polymerase alpha subunit B
NCBI Official Synonym Full Names	DNA polymerase alpha 2, accessory subunit
NCBI Official Symbol	POLA2
NCBI Protein Information	DNA polymerase alpha subunit B
UniProt Protein Name	DNA polymerase alpha subunit B
UniProt Gene Name	POLA2

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.