

Rabbit DNA Polymerase theta Polyclonal Antibody | anti-POLQ antibody

DNA Polymerase theta Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA31235	Rabbit	Human, Mouse, Rat	Western Blot, Immunofluorescence, Immunocytochemistry, Immunohistochemistry

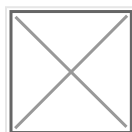
PRODUCT SYNONYMS

DNA Polymerase theta; Polyclonal Antibody; DNA Polymerase theta Antibody; anti-POLQ antibody

PRODUCT SPECIFICATIONS

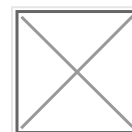
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	~1mg/ml (varies by lot)
Sequence Length	2590
Applicable Applications for anti-POLQ antibody	WB (Western Blot), IF (Immunofluorescence), ICC (Immunocytochemistry), IHC (Immunohistochemistry)
Application Notes	WB: 1:500-1:2000* IF/ICC: 1:100-1:500 IHC: 1:50-1:200 *IMPORTANT: For western blots, incubate membrane with diluted antibody in 5% w/v milk , 1X TBS, 0.1% Tween20 at 4 degree C with gentle shaking, overnight. The optimal dilutions should be determined by the end user.
Immunogen	A synthesized peptide derived from human DNA Polymerase theta, corresponding to a region within the internal amino acids.
Preparation and Storage	Store at -20 degree C.

IMAGES



IHC (Immunohistochemistry-Paraffin)

AAA31235 at 1/100 staining Rat testis 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 primary antibody at 4 degree C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



WB (Western Blot)

Western blot analysis of extracts from Mouse spleen, using DNA Polymerase theta Antibody. The lane on the left was treated with blocking peptide.

NCBI AND UNIPROT INFORMATION

NCBI GI #	139394648
NCBI GeneID	10721
NCBI Accession #	NP_955452.3
NCBI GenBank Nucleotide #	NP_955452.3
UniProt Accession #	O75417
Molecular Weight	289kDa, 150kD
NCBI Official Full Name	DNA polymerase theta
NCBI Official Synonym Full Names	DNA polymerase theta
NCBI Official Symbol	POLQ
NCBI Official Synonym Symbols	PRO0327
NCBI Protein Information	DNA polymerase theta
UniProt Protein Name	DNA polymerase theta
UniProt Gene Name	POLQ
UniProt Synonym Gene Names	POLH
UniProt Entry Name	DPOLQ_HUMAN

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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/dna-polymerase-theta-antibody-western-blot-immunofluorescence-immunocytochemistry-immunohistochemistry-elisa/31235>