

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

POLI Antibody (C-term)

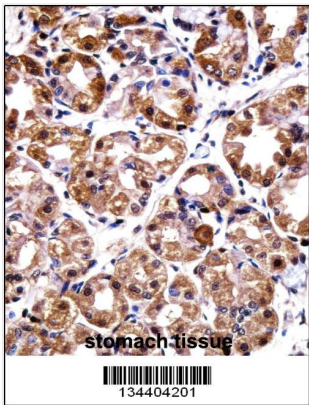
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA288264	Rabbit	Human	Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

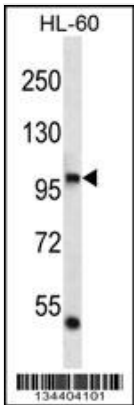
POLI; Polyclonal Antibody; POLI Antibody (C-term); DNA polymerase iota; Eta2; RAD30 homolog B; RAD30B; anti-POLI antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This POLI antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 673-701 amino acids from the C-terminal region of human POLI.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	673-701
Sequence Length	740
Applicable Applications for anti-POLI antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



IHC (Immunohiostchemistry)
POLI Antibody (C-term) (AAA288264)immunohistochemistry analysis in formalin fixed and paraffin embedded human stomach tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of POLI Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)
POLI Antibody (C-term) western blot analysis in HL-60 cell line lysates (35ug/lane).This demonstrates the POLI antibody detected the POLI protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-POLI antibody	Error-prone DNA polymerase specifically involved in DNA repair. Plays an important role in translesion synthesis, where the normal high-fidelity DNA polymerases cannot proceed and DNA synthesis stalls. Favors Hoogsteen base-pairing in the active site. Inserts the correct base with high-fidelity opposite an adenosine template. Exhibits low fidelity and efficiency opposite a thymidine template, where it will preferentially insert guanosine. May play a role in hypermutation of immunoglobulin genes. Forms a Schiff base with 5'-deoxyribose phosphate at abasic sites, but may not have lyase activity.
References	Arora, M., et al. Leukemia 24(8):1470-1475(2010) Thyagarajan, B., et al. Biol. Blood Marrow Transplant. 16(8):1084-1089(2010) Kazakov, A.A., et al. Biochemistry Mosc. 75(7):905-911(2010) Liu, C.Y., et al. Carcinogenesis 31(7):1259-1263(2010) Monsees, G.M., et al. Breast Cancer Res. Treat. (2010) In press :

NCBI AND UNIPROT INFORMATION

NCBI GI #	154350220
NCBI GeneID	11201
NCBI Accession #	NP_009126.2
NCBI GenBank Nucleotide #	NM_007195.2
UniProt Accession #	Q9UNA4; Q8N590; Q9H0S1; Q9NYH6
Molecular Weight	83006
NCBI Official Full Name	DNA polymerase iota
NCBI Official Synonym Full Names	polymerase (DNA directed) iota
NCBI Official Symbol	POLI
NCBI Official Synonym Symbols	RAD30B; RAD3OB
NCBI Protein Information	DNA polymerase iota
UniProt Protein Name	DNA polymerase iota
UniProt Gene Name	POLI
UniProt Synonym Gene Names	RAD30B

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://www.aaabiotech.com/polyclonal/poli-antibody-immunohistochemistry-western-blot-elisa/288264>