Goat anti-POLL / POLkappa Antibody

Item Number	dAP-0270
Target Molecule	Principle Name: POLL / POLkappa; Official Symbol: POLL; All Names and Symbols: POLL; BETA-N; POL-KAPPA; polymerase (DNA directed), lambda; polymerase (DNA-directed), lambda; DNA polymerase kappa (DNA polymerase beta-N); RP11-529I10.1; BETAN; FLJ46002; POLKAPPA; DNA polymerase beta-2; DNA polymerase kappa (DNA polymerase beta-N); DNA; Accession Number (s): NP_037406.1; Human Gene ID (s): 27343; Non-Human GeneID(s): 56626 (mouse)
Immunogen	LGLPYREPAERDW, is from C Terminus It has been brought to our attention that this product may crossreact with Pol beta (NP_002681), an evolutionarilly related polymerase with a predicted size of 39 kDa. The overall % of identity is not very high
Applications	Pep ELISA, WB Species Tested: Human
Purification	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Supplied As	lyophilized powder of 50ug or 100ug IgG; Reconsititute IgG with 100ul or 200ul sterile DI Water and final product will be formulated as 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize freezing and thawing.
Peptide ELISA	Peptide ELISA: antibody detection limit dilution 1 to 32000.
Western Blot	Western Blot: Approx 60kDa band observed in cell lysates of A549 and approx 60-70kDa in cell lysates of HepG2 (calculated MW of 63.5kDa according to Human NP_037406.1). Recommended concentration: 0.5-1µg/ml.
IHC	
Reference	Reference(s): Garcia-Diaz M, Bebenek K, Sabariegos R, Dominguez O, Rodriguez J, Kirchhoff T, Garcia-Palomero E, Picher AJ, Juarez R, Ruiz JF, Kunkel TA, Blanco L. DNA polymerase lambda, a novel DNA repair enzyme in human cells. J Biol Chem. 2002 Apr 12;277(15):13184-91..PMID: 11821417 ->

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for Research Use Only