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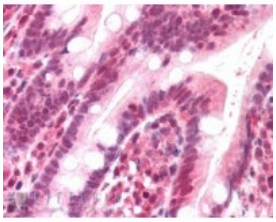
POLL Antibody

CATALOG NUMBER: 46-207



Immunohistochemistry (5ug/ml) staining of paraffin embedded Human Small Intestine. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.

Specifications

SPECIES REACTIVITY:	Human
TESTED APPLICATIONS:	ELISA, IHC-P
APPLICATIONS:	ELISA: antibody detection limit dilution 1:32000. Western Blot: Preliminary experiments gave a band at approx 40kDa in Human Liver and HepG2 extracts at 1ug/ml. Please note that currently we cannot find an explanation in the literature for the band we observe given the predicted size of approx. 66Kda a Immunohistochemistry: In paraffin embedded Human Small Intestine shows nuclear staining of enterocytes and of most cells in the lamina propria. Recommended concentration, 5-10ug/ml.
POSITIVE CONTROL:	1) Cat. No. 1308 - Human Small Intestine Tissue Lysate
	2) Cat. No. 11-801 - Human Small Intestine Tissue Slide
SPECIFICITY:	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 (about 32% in the core) but considering only
IMMUNOGEN:	POLL antibody was raised against a 13 amino acid synthetic peptide near the C-Terminus of POLL.
HOST SPECIES:	Goat

Properties

PURIFICATION:	POLL antibody was purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
PHYSICAL STATE:	Liquid
BUFFER:	POLL antibody is supplied in Tris saline, 0.02% sodium azide, pH 7.3 with 0.5% bovine serum albumin.
CONCENTRATION:	500 ug/mL
STORAGE CONDITIONS:	Aliquot and store at -20˚C. Minimize freezing and thawing.
CLONALITY:	Polyclonal
CONJUGATE:	Unconjugated

Additional Info

ALTERNATE NAMES:	POLL, BETA-N, POL-KAPPA, polymerase (DNA directed), lambda, polymerase (DNA-directed), DNA polymerase kappa (DNA polymerase beta-N), BETAN, POLKAPPA
ACCESSION NO.:	NP_037406
PROTEIN GI NO.:	7019491
OFFICIAL SYMBOL:	POLL
GENE ID:	27343

Background

REFERENCES:	1) 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.

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