

Goat anti-RELMbeta Antibody

Item Number	dAP-1493
Target Molecule	Principle Name: RELMbeta; Official Symbol: RETNLB ; All Names and Symbols: RETNLB ; resistin like beta ; FIZZ1; FIZZ2; HXCP2; RELM-beta; RELMb; RELMbeta; XCP2; C/EBP-epsilon regulated myeloid-specific secreted cysteine-rich protein precursor 2; colon and small intestine-specific cysteine-rich protein; cysteine-rich secreted A12; Accession Number (s): NP_115968.1; Human Gene ID(s): 84666; Non-Human GeneID(s):
Immunogen	DSVMDKKIKDVLNS, is from internal region
Applications	Pep ELISA, IHC 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; Reconstitute 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 128000.
Western Blot	Western Blot: Preliminary experiments gave an approx 35kDa band in Human Ileum and Duodenum lysates after 0.1µg/ml antibody staining. Please note that currently we cannot find an explanation in the literature for the band we observe given the calculated
IHC	Immunohistochemistry: In paraffin embedded Human Colon shows textured staining of cytoplasm in enterocytes. Recommended concentration, 2-4µg/ml.

Reference	Reference(s): McVay LD, Keilbaugh SA, Wong TM, Kierstein S, Shin ME, Lehrke M, Lefterova MI, Shifflett DE, Barnes SL, Cominelli F, Cohn SM, Hecht G, Lazar MA, Haczku A, Wu GD. Absence of bacterially induced RELMbeta reduces injury in the dextran sodium sulfate model of colitis. J Clin Invest. 2006 Nov;116
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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**