

ITLN2 Polyclonal antibody

Catalog Number: 18815-1-AP

Basic Information

Catalog Number:

18815-1-AP

Size:

350 ug/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

BC143341

GeneID (NCBI):

142683

UNIPROT ID:

Q8WWU7

Full Name:

intelectin 2

Calculated MW:

36 kDa

Observed MW:

36 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

IHC 1:50-1:500

Applications

Tested Applications:

WB, IHC, ELISA

Species Specificity:

mouse

Note-IHC: suggested antigen retrieval with **TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

Positive Controls:

WB : mouse small intestine tissue, mouse colon tissue

IHC : human colon cancer tissue,

Background Information

ITLN2 also named as UNQ2789 and PRO7179, may play a role in the defense system against pathogens. Intelectins (intestinal lectins) are highly conserved across chordate evolution and have been implicated in various human diseases, including Crohn's disease (CD). The human genome encodes two intelectin genes, intelectin-1 (ITLN1) and intelectin-2 (ITLN2). It is reported that human ITLN2 is expressed in Paneth cells, where it localizes to secretory granules, and establish that ITLN2 is a highly abundant multimeric protein secreted into the lumen of the small intestine (PMID: 35182405). The calculated molecular weight of ITLN2 is 36 kDa.

Storage

Storage:

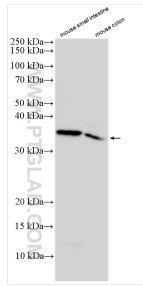
Store at -20°C. Stable for one year after shipment.

Storage Buffer:

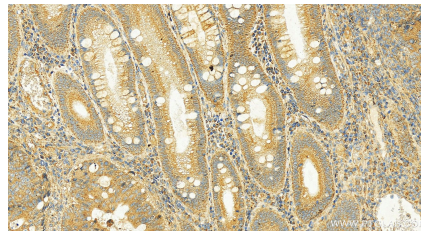
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 18815-1-AP (ITLN2 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human colon cancer slide using 18815-1-AP (ITLN2 antibody) at dilution of 1:200 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).