

Datasheet for ABIN4886644
anti-ITLN1/Omentin antibody (N-Term)[Go to Product page](#)

2 Images

Overview

Quantity:	100 µg
Target:	ITLN1/Omentin (ITLN1)
Binding Specificity:	AA 19-59, N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Purpose:	Rabbit IgG polyclonal antibody for Intelectin-1(ITLN1) detection. Tested with WB, IHC-P in Human.
Immunogen:	A synthetic peptide corresponding to a sequence at the N-terminus of human ITLN1 (19-59aa TDEANTYFKEWTCSSPSLPRSCKEIKDECPSAFDGLYFLR).
Sequence:	TDEANTYFKE WTCSSPSLP RSCKEIKDEC PSAFDGLYFL R
Isotype:	IgG
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	Rabbit IgG polyclonal antibody for Intelectin-1(ITLN1) detection. Tested with WB, IHC-P in Human. Gene Name: intelectin 1 Protein Name: Intelectin-1
Purification:	Immunogen affinity purified.

Target Details

Target:	ITLN1/Omentin (ITLN1)
Alternative Name:	ITLN1 (ITLN1 Products)
Background:	<p>Intelectin-1, also known as omentin, is an intelectin encoded in humans by the ITLN1 gene. This gene is mapped to chromosome 1q21.3-q22 by genomic sequence analysis. It is expressed on multiple cell types and appears to participate in insulin signaling and microbe recognition. Intelectin-1 functions both as a receptor for bacterial arabinogalactans and for lactoferrin. Having conserved ligand binding site residues, both human and mouse intelectin-1 bind the exocyclic vicinal diol of carbohydrate ligands such as galactofuranose.</p> <p>Synonyms: Endothelial lectin HL 1 Endothelial lectin HL-1 hIntL HL1 HL 1 Intelectin Intelectin-1 Intelectin 1 INTL ITLN ITLN-1 ITLN1 LFR Omentin Q8WWA0</p>
Gene ID:	55600

Application Details

Application Notes:	<p>WB: Concentration: 0.1-0.5 µg/mL, Tested Species: Human</p> <p>IHC-P: Concentration: 0.5-1 µg/mL, Tested Species: Human, Epitope Retrieval by Heat: Boiling the paraffin sections in 10 mM citrate buffer, pH 6.0, for 20 mins is required for the staining of formalin/paraffin sections.</p> <p>Notes: Tested Species: Species with positive results. Other applications have not been tested. Optimal dilutions should be determined by end users.</p>
Comment:	Antibody can be supported by chemiluminescence kit ABIN921124 in WB, supported by ABIN921231 in IHC(P).
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na2HPO4, 0.05 mg Sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which

Handling

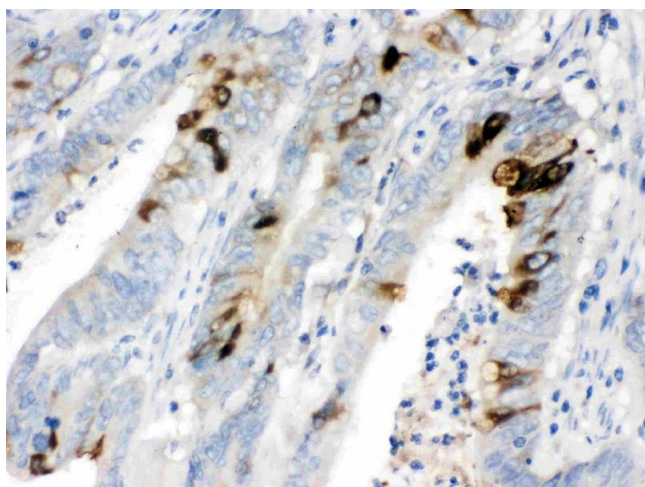
should be handled by trained staff only.

Handling Advice: Avoid repeated freezing and thawing.

Storage: 4 °C/-20 °C

Storage Comment: At -20°C for one year. After reconstitution, at 4°C for one month.
It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.

Images



Immunohistochemistry

Image 1. ITLN1 was detected in paraffin-embedded sections of human intestinal cancer tissues using rabbit anti- ITLN1 Antigen Affinity purified polyclonal antibody (Catalog #) at 1 µg/mL. The immunohistochemical section was developed using SABC method (Catalog # SA1022).



Western Blotting

Image 2. Western blot analysis of ITLN1 expression in SW620 whole cell lysates (Lane 1). ITLN1 at 43KD was detected using rabbit anti- ITLN1 Antigen Affinity purified polyclonal antibody (Catalog #) at 0.5 µg/mL. The blot was developed using chemiluminescence (ECL) method (Catalog # EK1002).