

ITLN1 / Omentin Antibody (aa27-168)
Rabbit Polyclonal Antibody
Catalog # ALS16133**Specification**

ITLN1 / Omentin Antibody (aa27-168) - Product Information

Application	WB, IHC
Primary Accession	Q8WWA0
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	35kDa KDa

ITLN1 / Omentin Antibody (aa27-168) - Additional Information**Gene ID** 55600**Other Names**

Intelectin-1, ITLN-1, Endothelial lectin HL-1, Galactofuranose-binding lectin, Intestinal lactoferrin receptor, Omentin, ITLN1, INTL, ITLN, LFR

Target/Specificity

Human ITLN1.

Reconstitution & Storage

Store at -20°C for up to one year.

Precautions

ITLN1 / Omentin Antibody (aa27-168) is for research use only and not for use in diagnostic or therapeutic procedures.

ITLN1 / Omentin Antibody (aa27-168) - Protein Information**Name** ITLN1**Synonyms** INTL, ITLN, LFR**Function**

Lectin that specifically recognizes microbial carbohydrate chains in a calcium-dependent manner (PubMed: [11313366](http://www.uniprot.org/citations/11313366), PubMed: [26148048](http://www.uniprot.org/citations/26148048)). Binds to microbial glycans that contain a terminal acyclic 1,2-diol moiety, including beta-linked D-galactofuranose (beta- Galf), D-phosphoglycerol-modified glycans, D-glycero-D-talo-oct-2-ulosonic acid (KO) and 3-deoxy-D-manno-oct-2-ulosonic acid (KDO) (PubMed: [26148048](http://www.uniprot.org/citations/26148048)). Binds to glycans from Gram-positive and Gram-negative bacteria, including K.pneumoniae, S.pneumoniae, Y.pestis, P.mirabilis and P.vulgaris (PubMed: [26148048](http://www.uniprot.org/citations/26148048)). Does not bind human glycans (PubMed: [26148048](http://www.uniprot.org/citations/26148048)).

href="http://www.uniprot.org/citations/26148048" target="_blank">26148048). Probably plays a role in the defense system against microorganisms (Probable). May function as adipokine that has no effect on basal glucose uptake but enhances insulin-stimulated glucose uptake in adipocytes (PubMed:16531507). Increases AKT phosphorylation in the absence and presence of insulin (PubMed:16531507). May interact with lactoferrin/LTF and increase its uptake, and may thereby play a role in iron absorption (PubMed:11747454, PubMed:23921499).

Cellular Location

Cell membrane; Lipid-anchor, GPI-anchor. Secreted. Note=Enriched in lipid rafts {ECO:0000250|UniProtKB:O88310}

Tissue Location

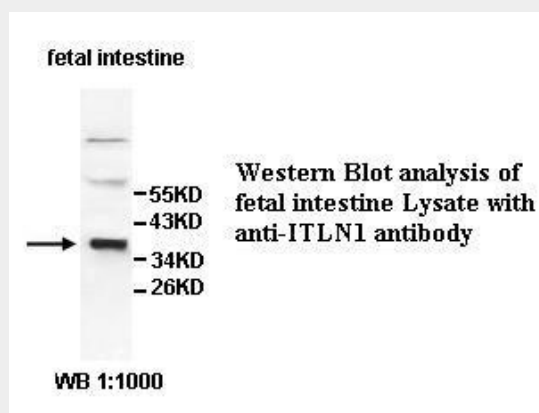
Highly expressed in omental adipose tissue where it is found in stromal vascular cells but not in fat cells but is barely detectable in subcutaneous adipose tissue (at protein level) (PubMed:16531507). Highly expressed in the small intestine. Also found in the heart, testis, colon, salivary gland, skeletal muscle, pancreas and thyroid and, to a lesser degree, in the uterus, spleen, prostate, lymph node and thymus.

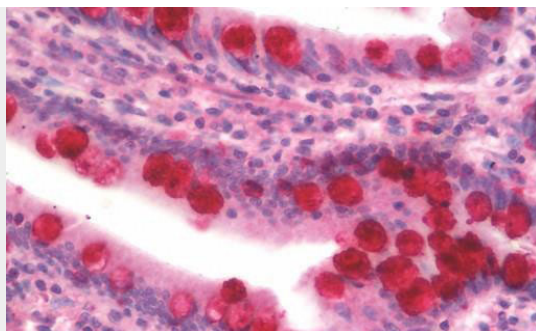
ITLN1 / Omentin Antibody (aa27-168) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

ITLN1 / Omentin Antibody (aa27-168) - Images





Human Small Intestine: Formalin-Fixed, Paraffin-Embedded (FFPE)

ITLN1 / Omentin Antibody (aa27-168) - Background

Has no effect on basal glucose uptake but enhances insulin-stimulated glucose uptake in adipocytes. Increases AKT phosphorylation in the absence and presence of insulin. May play a role in the defense system against microorganisms. May specifically recognize carbohydrate chains of pathogens and bacterial components containing galactofuranosyl residues, in a calcium-dependent manner. May be involved in iron metabolism.

ITLN1 / Omentin Antibody (aa27-168) - References

- Suzuki Y.A.,et al.Biochemistry 40:15771-15779(2001).
- Lee J.K.,et al.Glycobiology 11:65-73(2001).
- Tsuji S.,et al.J. Biol. Chem. 276:23456-23463(2001).
- Chang B.Y.,et al.Comp. Biochem. Physiol. 137A:115-129(2004).
- Yang R.-Z.,et al.Am. J. Physiol. 290:E1253-E1261(2006).