

FNDC4 Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP18089b**Specification**

FNDC4 Antibody (C-term) Blocking Peptide - Product InformationPrimary Accession [Q9H6D8](#)**FNDC4 Antibody (C-term) Blocking Peptide - Additional Information****Gene ID** 64838**Other Names**

Fibronectin type III domain-containing protein 4, Fibronectin type III repeat-containing protein 1, FNDC4, FRCP1

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

FNDC4 Antibody (C-term) Blocking Peptide - Protein Information**Name** FNDC4**Synonyms** FRCP1**Function**

Acts as an anti-inflammatory factor in the intestine and colon. Binds to and acts on macrophages to down-regulate pro- inflammatory gene expression. Affects key macrophage functions, including phagocytosis, by down-regulating many key pathways for macrophage activation, partly via by STAT3 activation and signaling. May be required to dampen the immunological response in colitis.

Cellular Location

Membrane; Single-pass type I membrane protein. Secreted {ECO:0000250|UniProtKB:Q3TR08}. Note=The N-terminus is probably cleaved to release a secreted extracellular portion of the protein {ECO:0000250|UniProtKB:Q3TR08}

Tissue Location

Up-regulated in colon cells of patients with inflammatory bowel disease (IBD).

FNDC4 Antibody (C-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

FNDC4 Antibody (C-term) Blocking Peptide - Images**FNDC4 Antibody (C-term) Blocking Peptide - Background**

FNDC4 contains a fibronectin type-III (FN3) domain. FN3 repeats have been found in various protein families including extracellular-matrix molecules, cell-surface receptors, enzymes, and muscle proteins. The function of FNDC4 is unknown.

FNDC4 Antibody (C-term) Blocking Peptide - References

O'Seaghdha, C.M., et al. Hum. Mol. Genet. 19(21):4296-4303(2010)Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010)Kottgen, A., et al. Nat. Genet. 42(5):376-384(2010)Talmud, P.J., et al. Am. J. Hum. Genet. 85(5):628-642(2009)Hillier, L.W., et al. Nature 434(7034):724-731(2005)